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ABSTRACT

This is the fourth in a series of reports on federal support to universities and colleges prepared for the Committee on Academic Science and Engineering (CASE) of the Federal Council for Science and Technology. Data for the six year period, fiscal years 1963-68, are presented in the report. Amounts reported by federal agencies represent obligations to individual universities and colleges and associated FFRDC's (Federally Funded Research and Development Centers) for research and development, R & D plant, other science activities, and nonscience activities. This report includes data on federal obligations to 2,174 universities and colleges and 36 FFRDC's. Chapters II through IV discuss federal obligations to universities and colleges and are entitled as follows: Trends in Federal Support, Geographic Distribution of Federal Support, and Distribution of Federal Support by Institution. Chapter V presents data and reviews trends on federally funded research and development centers administered by universities and colleges. The appendix contains information on total federal obligations by agency for each university, college, or university system that received federal funds during fiscal year 1968. Data on total and academic science obligations for the 100 institutions receiving the largest amounts are also in the appendix. (Author/PR)

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Federal Support to Universities and Colleges

Fiscal Year 1968

**Prepared by the National Science Foundation
for the Committee on Academic Science and Engineering of
the Federal Council for Science and Technology**

NATIONAL SCIENCE FOUNDATION

NSF 69-32

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GENERAL NOTES

- The Federal obligations in this study were reported by twelve agencies that accounted for more than 95 percent of all Federal support to universities and colleges in 1968.
- Federal obligations are reported for the Federal fiscal year, ending June 30 of the year shown.
- Educational data are totaled for the three academic years, 1963-66.
- In all tables of this report, details may not add to totals because of rounding. Percentages were calculated on the basis of thousands of dollars and differ from those based on figures rounded to millions of dollars.

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Foreword

FOR MORE THAN two decades our society has grown increasingly dependent upon the achievements of the scientific community. Forecasts predicting continued economic growth assume that research and development will provide the stimulus necessary to ensure this growth. Furthermore, scientists and engineers have been called upon to devise methods of solving numerous critical problems of society such as environmental pollution and urban development.

The ability of the scientific community to meet these challenges is largely contingent upon the ability of the universities and colleges of the Nation to produce competent manpower in sufficiently large numbers and to carry out research in these institutions. Accordingly, the support of academic science activities has been accepted as a major public responsibility as indicated by the striking increase in the level of Federal funding at universities and colleges that occurred during the 1963-66 period. Beginning in 1967, however, the demands upon the American tax dollar necessitated an adjustment in the priority assigned to Federal support of academic science, causing a leveling off in the amount of such obligations that continued into 1968. At the present time, Federal support of academic science shows no signs of resuming a rate of increase comparable to that of the 1963-66 period, although the need for increased scientific knowledge and manpower has not diminished: in fact, it is as great or greater today than at any time in our history.

Universities and colleges are finding it increasingly difficult to keep up with the demands for qualitative and quantitative improvements in education in the sciences and engineering and for scientific research. Educational administrators are faced with record numbers of students seeking enrollment and rapidly rising costs of education without comparable increases in public financial support. In addition, for two years running they have had to deal with expenditure limitations in connection with many federally sponsored programs.

If the Nation is to effect a continuing increase in the science capabilities of its institutions of higher education, it is essential that the practices of the various Federal agencies pertaining to the support of academic science be consistent; that agencies' academic science activities be coordinated to the extent their individual missions allow; and that actions amounting to deviations from established Federal policies be undertaken only after the possible impact of such actions on universities and colleges has been studied. This is the scope of the responsibility of the Committee on Academic Science and Engineering (CASE)—to study every aspect of Federal support of academic science and engineering and formulate policy recommendations that will be most beneficial to institutions of higher education and to the entire Nation.

A basic prerequisite to such studies and recommendations is comprehensive factual information on the magnitude and distribution of Federal support such as is presented in the pages that follow.

This report was prepared for CASE by the National Science Foundation under the general direction of Charles E. Falk, Planning Director. The Office of Data Management Systems, Richard Lee, Acting Head, was responsible for processing the data. Analysis and report preparation were done in the Office of Economic and Manpower Studies, H. E. Riley, Head.

JOHN S. STEINHART
Chairman
Committee on Academic Science and Engineering

SEPTEMBER 1969

Acknowledgments

This report was developed in the Office of Economic and Manpower Studies, National Science Foundation, under special guidance of Kenneth Sanow, Head, Statistical Surveys and Reports Section. The survey was conducted and the report prepared under the direction of Lawrence A. Seymour, Study Director, Analytical Studies Group. Major responsibility for coordination and final review was taken by William L. Stewart. The data were compiled and the report written by Cecelia Hilgert and Robert Loycano. Irene Woodall supervised the preparation of statistical material.

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Summary

- Total Federal support to institutions of higher education amounted to $3,367 million in fiscal year 1968. A slowdown in growth that began in 1967 became more evident in 1968, with total support increasing by less than 2 percent over 1967.

- Academic science obligations rose by $17 million to $2,340 million in fiscal year 1968, but continued to decline in relation to total support. Between 1964 and 1968 the ratio of Federal academic science support to total Federal support to universities and colleges dropped from 94 percent to less than 70 percent. The $17-million increase from 1967-68 is the net result of an increase of $92 million in research and development, and decreases of $15 million and $60 million in R&D plant and other science activities, respectively.

- Federal obligations for research and development totaled $1,416 million in fiscal year 1968. As a percent of total Federal support, research and development increased to 42 percent, after declining steadily from 60 percent to 40 percent between 1964 and 1967. Federal funds for R&D plant in 1968 dropped to $102 million, the lowest level since 1964.

- Government support for nonscience activities at institutions of higher education passed the billion-dollar level in fiscal year 1968, totaling $1,027 million. Increasing nearly tenfold since 1964, nonscience activities now claim more than 30 percent of total Federal dollars to academic institutions.

- The concentration in Federal obligations to universities and colleges in the various geographic divisions has continued to diminish. The proportion accounted for by the four divisions receiving the largest amounts declined by 6 percentage points during the 1963-68 period. Of the four only the Pacific division increased its proportionate share of total Federal support. In general, the distribution of population, degrees awarded in the sciences and engineering and student enrollment among the States was quite comparable to the distribution of Federal obligations.

- Over 2,100 universities and colleges received Federal support in fiscal year 1968, and the distribution of the funding showed less concentration than in previous years. The 100 institutions receiving the largest amounts accounted for 69 percent of the U. S. total, compared to 85 percent in 1963. The dispersion was less evident among institutions receiving academic science obligations; the top 100 institutions in this category received 80 percent of these funds, declining from 87 percent in 1963.

- Federal obligations to 2-year institutions decreased to $120 million in fiscal year 1968 from over $122 million in 1967. While the amount of support declined, the number of junior colleges receiving funds increased to 719 from 640 in 1967. Federally Funded Research and Development Centers associated with academic institutions received $945 million in Federal obligations during 1968, surpassing 1967's total by $38 million.

- In fiscal year 1968 the Department of Health, Education, and Welfare awarded $2,212 million to universities and colleges—nearly twice as much as all other agencies combined. Since 1963 HEW awards have increased from 47 percent to 66 percent of total Federal support to academic institutions.

I. Introduction

Background

This is the fourth in a series of reports on Federal support to universities and colleges prepared for the Committee on Academic Science and Engineering (CASE) of the Federal Council for Science and Technology. The report contains data for the 6-year period, fiscal years 1963-68 (ending June 30 of the designated years).[1] Definitions of terms used in the report and technical notes are included in appendix A.

The CASE data-collection system was established to provide a quantitative description of Federal programs supporting various types of science activities at universities and colleges. Such information collected on a Government-wide basis is considered by the Committee to be an integral part of its studies of agencies' policies and practices regarding academic science programs undertaken with Federal funds. Information is collected on the types of support provided by Federal agencies, the distribution of Federal funds among geographic areas and institutions, and the patterns such support have taken over a period of years. This information provides a background of knowledge useful in the formulation of recommendations for programs that assure satisfactory results in terms of an agency's mission, while providing the greatest possible benefit to institutions of higher education in terms of increased science capabilities.

Currently, there are twelve Federal agencies participating in the CASE data-collection system. Each agency reports obligations to U.S. universities and colleges and Federally Funded Research and Development Centers administered by universities and colleges for research and development, R&D plant or facilities, other science activities, and all other activities that are not related to the sciences or engineering.

During the past year CASE has undertaken an expanded data-collection endeavor on a pilot study basis. This study, although limited to academic science programs, is considerably more comprehensive in nature than the one represented by this report. In this expanded survey obligation data are obtained from Federal agencies on each federally supported academic science project, and supplemented by data on the utilization of manpower engaged in certain types of these Federal projects at universities and colleges.

Scope and Limitations of Data

Twelve agencies provided data for this study, accounting for virtually all of the Federal Government's direct obligations to U.S. universities and colleges. These agencies are:

Department of Agriculture
Atomic Energy Commission
Department of Commerce
Department of Defense
Department of Health, Education, and Welfare
Department of the Interior
National Aeronautics and Space Administration
National Science Foundation
Department of Labor
Office of Economic Opportunity
Department of Housing and Urban Development
Department of Transportation

Data shown for the last four agencies listed above are aggregated into one total under an "other agencies" category.

Amounts reported by these agencies represent obligations to individual universities and colleges and associated FFRDC's for research and development, R&D plant, other science activities, and nonscience activities. This report includes data on Federal obligations to 2,174 universities and colleges and 36 FFRDC's. Chapters II through IV discuss Federal obligations to universities and colleges. Data on

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[1] The last report issued in the current series was: National Science Foundation, *Federal Support to Universities and Colleges, Fiscal Year 1967* (NSF 69-7). (Washington, D.C. 20402, Supt. of Documents, U.S. Government Printing Office, 1969.)

FFRDC's are shown in chapter V. Appendix B contains information on total Federal obligations, by agency, for each university, college, or university system that received Federal funds during fiscal year 1968. Also included in appendix B are data on total and academic science obligations for the 100 institutions receiving the largest amounts.

A growing phenomenon occurring in the academic sector is the establishment of university systems consisting of several institutions with an administrative center referred to in this report as a "Central System." The nature of activities of these Central Systems varies from system to system. In reporting data to CASE, Federal agencies are asked to show whenever possible the specific institution receiving funds. For university systems, however, agencies have not always been able to determine the ultimate recipient of program funds at the time reports are submitted to CASE. For this reason, obligations to individual institutions of a university system may be understated.[2]

Relation to Prior Reports

Data shown in this report are generally comparable to those shown in earlier reports in the current series of reports on Federal support to universities and colleges compiled for CASE. Last year four agencies were added to the CASE reporting system. These four agencies accounted for approximately 2 percent of total Federal obligations to universities and colleges in FY 1968, most of which were provided by the Office of Economic Opportunity. The effect of this extension in coverage is negligible for fiscal years 1963 and 1964 because, of the four agencies, only the Department of Labor was in existence during this period. Of the three remaining agencies OEO was organized during FY 1965, HUD during FY 1966, and DOT during FY 1967. The totals shown for the 1963-68 period would be affected according to the emergence of these three agencies.

This report contains data for two new university systems which were organized during FY 1968—the University of Nevada and the University of Illinois. In both instances the establishment of a system resulted in obligations being separately reported for institutions which in prior years were included in the totals for the parent institution. For this reason the relative position held by the parent institutions in the ranking tables of this report is not comparable to the position held in earlier reports.

During FY 1967 and 1968 the Department of Health, Education, and Welfare underwent an extensive reorganization. As a result, only obligations shown for the National Institutes of Health and the Office of Education are comparable with data for FY 1967. The designation of Public Health Service has been changed to Health Activities and now consists of the National Institutes of Health, Consumer Protection and Environmental Health Services, and Health Services and Mental Health Administration. Accordingly, the components of "other HEW" have also changed: these now include the Social Security Administration, Social and Rehabilitation Service, and those activities within the various offices of the Assistant Secretaries not included in the above organizations. Data for the subunits of the Department of Health, Education, and Welfare and the Department of Defense are shown in appendix tables B-4 and B-5, respectively.

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[2] For more information on university systems see appendix A, *Technical Notes*, page 44.

II. Trends in Federal Support

Total Federal Obligations

Federal support to universities and colleges continued to level off in 1968, reaching a total of $3,367 million. A slowdown in the flow of Federal funds to academic institutions became evident in 1967 when the annual growth rate dropped to 9 percent after previous jumps of 42 percent in 1965, and 32 percent in 1966. However, 1968 marks the first year that virtually no gain in total support was registered. From 1967 to 1968 there was actually a slight decrease in total funds reported by the eight agencies comprising the reporting base in 1967. The net $56-million (2 percent) increase from 1967 to 1968 shown in table 1 resulted primarily from $67 million reported in 1968 by four agencies reporting to the CASE data-collection system for the first time.

Also serving to offset the apparent growth between 1967 and 1968 were the accelerating costs of all types of higher education activities. Dollar figures for all years are shown in current dollars and, therefore, include to some extent illusory growth caused by the effect of the inflation. As inflation grew between 1963 and 1968, its impact on higher education programs became more severe. By 1968 universities and colleges found their programs caught in a squeeze between spiraling costs and cutbacks in Federal aid.

Distribution of Support, by Agency

Prior to the slowdown during 1967-68, Federal support to institutions of higher education had been marked by rapid growth. The rate of growth, however, was not uniform among the various categories of support or among the agencies. As a result, several notable shifts have taken place in the agency pattern of support over the 1963-68 time span.

Since 1963 congressional legislation concerned with higher education has stressed programs which called for strengthening of universities and colleges through construction of new facilities and general improvement of educational and training programs. The greater portion of the additional funds required for these programs has been reported in the non-

TABLE 1.—*Federal obligations to universities and colleges, by type of program, fiscal years 1963-68*

[Dollar amounts in millions]

Fiscal year	Total obligations		Academic science obligations								Nonscience activities	
			Total		Research and development		R&D plant		Other science			
	Amount	Percent change from previous year	Amount	Percent of total obligations	Amount	Percent of total obligations	Amount	Percent of total obligations	Amount	Percent of total obligations	Amount	Percent of total obligations
1963	$1,413.0	....	$1,328.5	94.02	$ 829.5	58.71	$105.9	7.49	$393.1	27.82	$ 84.5	5.98
1964	1,625.0	+15.00	1,528.6	94.07	975.6	60.04	100.8	6.21	452.2	27.83	96.4	5.93
1965	2,305.5	+41.88	1,816.2	78.78	1,095.0	47.49	126.2	5.47	595.0	25.81	489.3	21.22
1966	3,010.0	+30.56	2,163.5	71.88	1,252.1	41.60	114.8	3.81	796.6	26.47	846.4	28.12
1967	3,311.1	+10.00	2,323.8	70.18	1,324.1	39.99	116.7	3.52	883.0	26.67	987.3	29.82
1968	3,366.9	+ 1.69	2,340.4	69.51	1,415.8	42.05	101.9	3.03	822.7	24.44	1,026.5	30.49

SOURCE: National Science Foundation (CASE).

R&D categories, "other science" and nonscience activities. The resulting shift in the distribution of Federal funds among the support categories is evident in chart 1. Responsibility for the administration of these recently enacted programs was assigned by Congress to HEW. Because of its expanded role in higher education, HEW's percentage of all agencies' funds for all types of academic activities rose from 47 percent in 1963 to 66 percent in 1968 (table 2). The extent to which other Federal agencies are involved in higher education is generally limited to specific areas related to their R&D objectives. As a result of the growth in HEW programs, each of the agencies awarding the next largest amounts for these programs supported a declining portion of the total Federal program. The Department of Defense showed the largest decline—dropping from 15 percent of total Federal support in 1963 to 7 percent of the total in 1968. The other four agencies showing significant percentage declines in total program support were the National Science Foundation, going from 18 percent to 13 percent; the Department of Agriculture, down from 7 percent to 4 percent; the National Aeronautics and Space Administration, dropping from 6 percent to 4 percent; and, the Atomic Energy Commission, decreasing from 5 percent to 3 percent. Including the $20-million decline in HEW obligations, five agencies reported cutbacks in academic support in 1968.

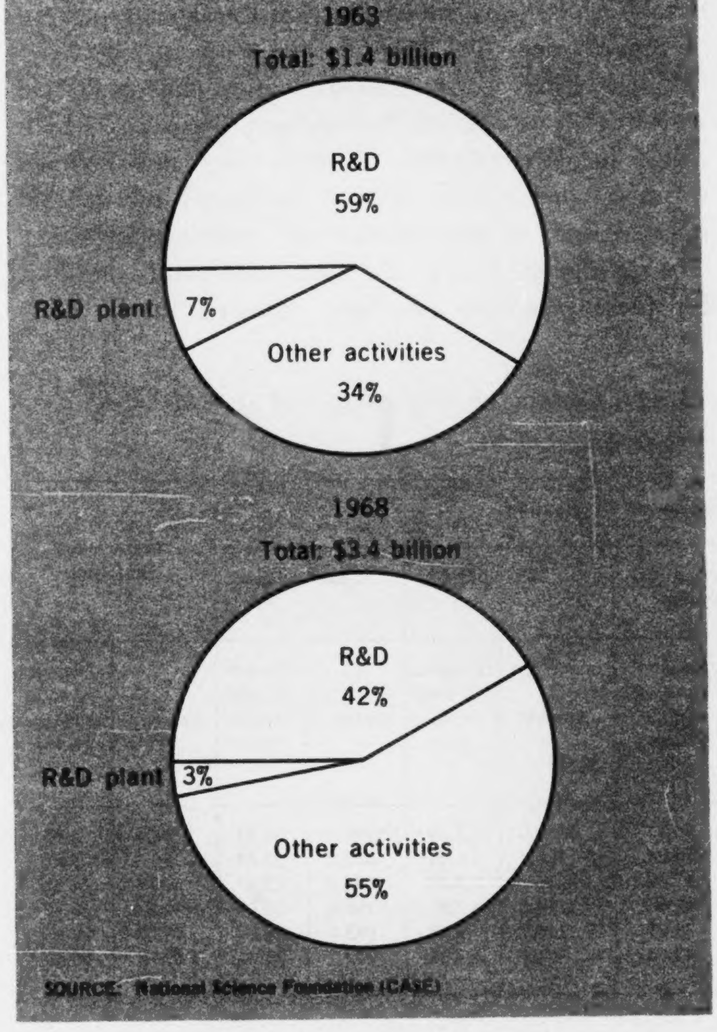

Chart 1
Federal obligations to universities and colleges, by type of program, FY 1963 and FY 1968

SOURCE: National Science Foundation (CASE)

The National Science Foundation actually increased its share of all agencies' support for both research and development and R&D plant, from 13 percent ($105 million) to 15 percent ($213 million) of total research and development, and from 48 percent ($51 million) to 52 percent ($53 million) of total R&D plant. Also posting percentage gains in these categories were the National Aeronautics and Space Administration, climbing from 7 percent ($60 million) to 9 percent ($126 million) of the all agency R&D total, and the Atomic Energy Commission, moving from 2 percent ($3 million) to 9 percent ($10 million) of the all-agency R&D plant figure.

Categories of Support

Table 3, shown below, compares the average annual rate of growth during 1963-67 with the rate of growth from 1967-68 for total obligations and each of the various categories of Federal support to universities and colleges. The declining growth in total obligations noted previously occurred in both academic science and nonscience activities: academic science slowed from 15 percent to less than 1 percent; nonscience activities dropped off from 85 percent [3] to 4 percent. The table also displays a significant reduction in the annual rate of growth for each of the constituent academic science programs. R&D plant and "other science" actually decreased in total funds from 1967 to 1968, 13 percent and 7 percent, respectively. In terms of actual dollars, these reductions amounted to $15 million for R&D plant and $60 million for "other science."

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[3] It should be noted that the high average annual growth of 85 percent during 1963-67 was in large part due to the relatively large increases in 1965 and 1966 to implement new programs designed to strengthen higher education in general. By 1966 the annual nonscience support level had been increased to ten times the $85-million level of 1963.

Table 2.—*Distribution of Federal obligations to universities and colleges, by agency and type of program, fiscal years 1963 and 1968*

[Dollar amounts in millions]

Agency	Total obligations		Academic science obligations								Nonscience activities	
			Total		Research and development		R&D plant		Other science			
	1963	1968	1963	1968	1963	1968	1963	1968	1963	1968	1963	1968
Total	$1,413.0	$3,366.9	$1,328.5	$2,340.4	$829.5	$1,415.8	$105.9	$101.9	$393.1	$822.7	$84.5	$1,026.5
					Percent distribution							
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Department of Agriculture	7.36	4.28	7.83	6.16	4.89	4.39	....	1.83	16.13	9.74	....	....
Atomic Energy Commission	5.39	3.27	5.73	4.71	8.23	6.67	2.46	9.44	1.35	.74	....	....
Department of Commerce	.13	.29	.14	.34	.18	.47	....	.21	.08	.12	....	.18
Department of Defense	15.43	7.22	16.41	10.39	26.28	17.17	....	....	....	....	....	....
Department of Health, Education, and Welfare	47.08	65.70	43.73	52.53	40.13	43.73	37.02	36.24	53.14	69.70	99.76	95.71
Department of the Interior	.28	.84	.29	1.20	.46	1.96	.09	....	....	.05	.24	....
National Aeronautics and Space Administration	6.19	3.86	6.58	5.55	7.21	8.91	12.65	....	3.59	.45	....	....
National Science Foundation	18.14	12.56	19.29	18.07	12.61	15.01	47.78	52.25	25.72	19.11	....	....
Other agencies [a]	....	1.99	....	1.05	....	1.68	....	....	....	.10	....	4.12

[a] Includes Office of Economic Opportunity, the Departments of Housing and Urban Development, Labor, and Transportation.

SOURCE: National Science Foundation (CASE).

In contrast to the general trend toward non-R&D programs during 1963-67, the figures for 1967-68 show a higher rate of increase in research and development than in any other category. In 1968 all agencies together increased R&D obligations by $92 million to $1,416 million, 7 percent above the 1967 total. Offsetting a DOD decrease of $21 million for research and development were the following agency increases totaling $102 million: $42-million increase by HEW; $19-million addition by NSF; $17-million increase by NASA; first-time reporting (amounting to $24 million) by the four new agencies comprising the "other agencies" category (table 4).

Table 3.—*Growth of Federal obligations to universities and colleges, by type of program, fiscal years 1963-67 vs. 1967-68*

Type of program	Average annual growth, 1963-67 (percent)	Percent changes, 1967-68
Total	23.7	+ 1.7
Academic science	15.0	+ 0.7
Research and development	12.4	+ 6.9
R&D plant	2.5	−12.7
Other science	22.4	− 6.8
Nonscience activities	85.0	+ 4.0

SOURCE: National Science Foundation (CASE).

Outlays for facilities, fixed equipment, or land used for research and development are classified as R&D plant obligations. While Federal obligations for research and development have climbed progressively from year to year, the history of R&D plant investment has been one of fluctuation around an average annual level of $111 million. Since 1963 total Federal obligations for R&D plant have alternately decreased and increased from year to year. Throughout the 1963-68 period HEW and NSF were the principal agency sources of R&D plant funds. Together these two agencies have contributed $572 million out of $666 million (86 percent) for R&D plant over the years 1963-68. One notable exception to the yearly fluctuations in agency R&D plant levels was the steady drop in NASA's support. Then in 1968, NASA's program for construction of academic R&D facilities was completely phased out and NASA reported no funds at all for R&D plant.

Federal support for "other science activities" also decreased between 1967 and 1968. The net decrease of $60 million down to $823 million in 1968 is almost entirely accounted for by the drop of $63 million in HEW funds. Other sizable but offsetting dollar changes in agency totals for "other science activities" were the $14-million NASA reduction and the $13-million NSF increase.

TABLE 4.—*Federal obligations to universities and colleges, by type of program and agency, fiscal years 1963-68*

[Millions of dollars]

Program and year	Total, all agencies	Department of Agriculture	Atomic Energy Commission	Department of Commerce	Department of Defense	Department of Health, Education, and Welfare	Department of the Interior	National Aeronautics and Space Administration	National Science Foundation	Other agencies [a]
Total Federal obligations										
1963	$1,413.0	$104.0	$ 76.1	$1.8	$218.0	$ 665.3	$ 4.0	$ 87.4	$256.3	....
1964	1,625.0	115.0	79.9	1.7	258.1	780.0	5.3	107.6	277.5	....
1965	2,305.5	135.6	84.4	2.6	267.9	1,345.6	9.7	134.3	325.2	....
1966	3,010.0	141.0	96.9	2.8	278.0	1,952.2	22.4	142.2	374.5	....
1967	3,311.1	144.8	109.6	7.9	264.1	2,231.2	27.4	131.5	394.5	....
1968	3,366.9	144.2	110.2	9.8	243.1	2,211.9	28.2	129.8	423.0	66.9
Academic science obligations										
1963	1,328.5	104.0	76.1	1.8	218.0	581.0	3.8	87.4	256.3	....
1964	1,528.6	115.0	79.9	1.7	258.1	683.8	5.1	107.6	277.5	....
1965	1,816.2	135.6	84.4	2.6	267.9	856.5	9.6	134.3	325.2	....
1966	2,163.5	141.0	96.9	2.8	278.0	1,109.2	19.1	142.2	374.5	....
1967	2,323.8	144.8	109.6	4.4	264.1	1,251.0	23.9	131.5	394.5	....
1968	2,340.4	144.2	110.2	8.0	243.1	1,229.4	28.2	129.8	423.0	24.6
Research and development										
1963	829.5	40.6	68.3	1.5	218.0	332.9	3.8	59.8	104.6	....
1964	975.6	47.5	70.5	1.1	258.1	399.2	5.0	78.2	115.8	....
1965	1,095.0	59.1	74.8	2.1	267.9	441.9	9.5	100.6	139.2	....
1966	1,252.1	62.9	83.2	2.1	278.0	507.3	18.7	107.4	192.5	....
1967	1,324.1	64.0	89.7	3.4	264.1	577.0	23.9	109.0	193.1	....
1968	1,415.8	62.2	94.4	6.7	243.1	619.1	27.8	126.1	212.5	23.8
R. & D. plant										
1963	105.9	....	2.6	....	....	39.2	.1	13.4	50.6	....
1964	100.8	....	4.0	....	....	39.9	....	9.1	47.8	....
1965	126.2	3.2	3.8	....	....	54.8	(b)	8.4	56.0	....
1966	114.8	2.0	7.4	....	....	48.5	.2	7.4	49.3	....
1967	116.7	2.0	13.8	.3	....	38.1	....	5.0	57.5	....
1968	101.9	1.9	9.6	.2	....	36.9	....	....	53.2	....
Other science activities										
1963	393.1	63.4	5.3	.3	....	208.9	(b)	14.1	101.1	....
1964	452.2	67.5	5.4	.6	....	244.6	(b)	20.2	113.9	....
1965	595.0	73.3	5.9	.6	....	359.8	(b)	25.4	130.1	....
1966	796.6	76.1	6.3	.7	....	553.3	.2	27.3	132.7	....
1967	883.0	78.8	6.2	.7	....	635.9	(b)	17.4	144.0	....
1968	822.7	80.1	6.1	1.0	....	573.4	.4	3.7	157.2	.8
Nonscience activities										
1963	84.5	....	....	....	....	84.3	.2	....	....	....
1964	96.4	....	....	....	....	96.2	.2	....	....	....
1965	489.3	(b)	....	....	....	489.1	.1	....	....	....
1966	846.4	(b)	....	....	....	843.1	3.4	....	....	....
1967	987.3	(b)	....	3.5	....	980.2	3.5	....	....	....
1968	1,026.5	....	....	1.8	....	982.5	....	....	....	42.3

[a] Includes Office of Economic Opportunity, the Departments of Housing and Urban Development, Labor, and Transportation.

[b] Less than $50,000.

SOURCE: National Science Foundation (CASE).

Obligations from Federal sources for nonscience activities at universities and colleges rose to $1,027 million in 1968, more than 30 percent of total Federal obligations compared to less than 6 percent in 1963. "Other agencies" support, reported for the first time in 1968, accounted for the rise in total Federal nonscience funds past the $1-billion mark. The Office of Economic Opportunity contributed virtually all of the "other agencies" $42-million total, reported in this category. Together, OEO and HEW reported 99.8 percent of total Federal nonscience obligations in 1968.

III. Geographic Distribution of Federal Support

Distribution by Geographic Division and State

During the period 1963 through 1967 total Federal obligations to universities and colleges in all geographic areas increased at an average annual rate of 24 percent compared to the 2-percent increase from 1967 to 1968 (table 5). The slowdown in spending began in 1967 when the rate of increase in total support dropped to 9 percent over 1966. Together, Puerto Rico, the Virgin Islands, and Guam received the largest cutback in relative terms, 22 percent ($18 million) from the $24-million total in 1967. Among the nine major geographic divisions, six had changes of less than 1 percent from 1966 to 1967, three of which, East South Central, East North Central, and South Atlantic, were decreases. Institutions in the Mountain States experienced an increase of 2 percent. Only the West North Central, West South Central, and Pacific divisions registered significant increases in Federal support in 1968, 11 percent each. Even this, however, was well below their respective average yearly increases during the 1963-67 period.

Academic science obligations remained at about the same level in 1968, rising 1 percent from $2,324 million to $2,340 million; this was substantially below the average annual rate of increase of 15 percent during 1963-67. Twenty-four States, as well as Puerto Rico, the Virgin Islands, and Guam, received lesser amounts of funds for academic science in 1968. The Pacific division, in contrast, registered an increase of 11 percent; all five States comprising this area received larger amounts in 1968 for academic science than in 1967.

Federal obligations for nonscience activities leveled off substantially. Although increasing annually at an average rate of 85 percent during the period 1963-67, there was only an average rise of 4 percent in this category in 1968. Sixteen States received lesser

TABLE 5.—*Average annual growth rates, fiscal years 1963-67, and percent changes, fiscal years 1967-68, of Federal obligations to universities and colleges, by geographic division and type of program*

Geographic division	Total obligations		Academic science obligations		Nonscience activities	
	Average annual growth rate, 1963-67 (percent)	Percent change, 1967-68	Average annual growth rate, 1963-67 (percent)	Percent change, 1967-68	Average annual growth rate, 1963-67 (percent)	Percent change, 1967-68
United States, total	23.7	1.7	15.0	0.7	84.9	4.0
New England	16.7	.2	11.3	—1.0	89.9	5.1
Middle Atlantic	20.7	.5	13.8	—1.1	77.7	5.1
East North Central	23.1	—.5	13.8	—5.5	99.6	—5.2
West North Central	24.1	11.2	15.2	2.8	77.0	29.6
South Atlantic	28.1	—.2	17.8	2.6	69.7	—10.3
East South Central	36.2	—.6	21.6	—7.6	94.7	—2.8
West South Central	28.8	11.1	18.3	4.1	92.1	32.3
Mountain	27.6	2.3	16.4	5.8	94.5	—4.1
Pacific	22.4	11.0	15.4	10.5	91.3	12.3
Puerto Rico, Virgin Islands, and Guam [a]	34.4	—22.4	16.0	—17.2	104.6	—27.8

[a] The amounts to the Virgin Islands and Guam were a small fraction of the total.
SOURCE: National Science Foundation (CASE).

amounts in 1968; totals for five geographic divisions were lower. Only funds to universities and colleges in the West South Central division recorded major increases; the $105 million shown for this division was one-third over the amount awarded for nonscience activities in 1968.

The distribution of Federal support for all activities at institutions of higher education continued to point to a somewhat lower level of concentration in 1968 (chart 2). The two geographic divisions which each had accounted for more than 18 percent of the total obligations in 1963—Middle Atlantic and East North Central—showed decreases in their respective proportions. All other divisions except New England have gained in their shares of the U.S. total since 1963.

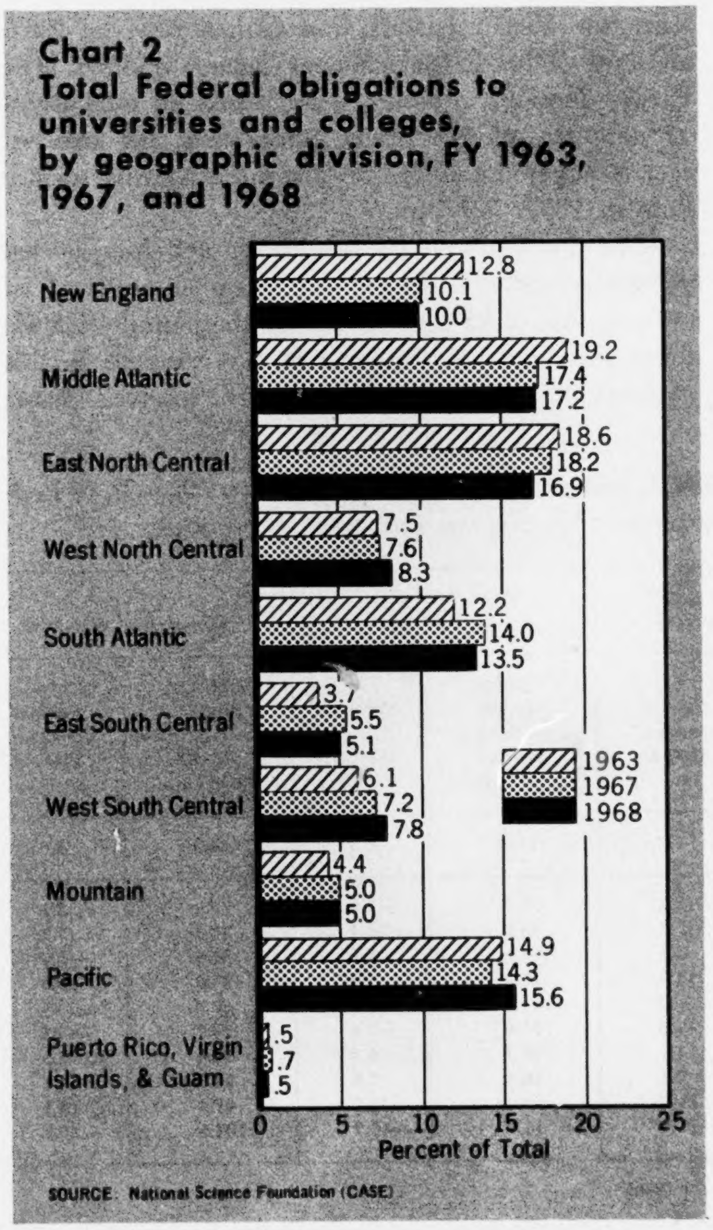

Chart 2
Total Federal obligations to universities and colleges, by geographic division, FY 1963, 1967, and 1968

SOURCE: National Science Foundation (CASE).

Institutions in California remained the leading recipients of Federal funds; they received over $371 million, an increase of 9 percent from $342 million received in 1967 (table 6). New York's universities and colleges received a total of $361 million, up 6 percent from 1967.

The $21-million decrease in obligations from the Department of Defense in 1968 was felt most sharply by institutions located in four States. Funds to Massachusetts dropped by 41 percent to $35 million from $58 million in 1967 (table 7). DOD support declined by 25 percent in New York, Illinois, and Michigan; institutions in these States received, respectively, $23 million, $14 million, and $11 million. The universities and colleges in California, however, experienced a 10-percent increase to $42 million from DOD in 1968.

Even though the total funds from the Department of Health, Education, and Welfare remained at the same level in 1968 as in 1967, there was a change in the geographic pattern of that agency's funds. Institutions in New York had an increase of $28 million, bringing the total received from HEW to $260 million, a rise of 12 percent from the previous year. California was the second largest recipient with $223 million, an increase of 3 percent. HEW obligations to all States in the New England, West South Central, and Pacific divisions were greater in 1968 than in 1967. On the other hand, States in the East North Central division registered a decrease of 9 percent in the receipt of HEW funds from $400 million in 1967 to $364 million in 1968; Michigan had a $20-million decline. The South Atlantic division received $318 million in 1968, down 8 percent from 1967, and HEW funds to the East South Central States decreased by 10 percent to $127 million from $140 million in 1967. Puerto Rico, the Virgin Islands, and Guam had the largest percentage decline in HEW support—32 percent from $16 million to $11 million in 1968.

Obligations from HEW comprised two-thirds of the total Federal support to universities and colleges in 1968, and it accounted for 74 percent of the total obligated to the East South Central division, 71 percent of the totals of the Middle Atlantic, West North Central, and West South Central divisions, and 70 percent of the South Atlantic total. Only in the New England and Mountain divisions, however, did HEW obligations account for less than 60 percent.

The National Science Foundation obligated $28 million more to institutions of higher education in 1968, bringing its total to $423 million, an increase

TABLE 6.—*Federal obligations to universities and colleges, by geographic division, State, and type of program, fiscal years 1963, 1967, and 1968*

[Thousands of dollars]

Division and State	Total obligations			Academic science obligations			Nonscience activities		
	1963	1967	1968	1963	1967	1968	1963	1967	1968
United States, total	$1,413,015	$3,311,070	$3,366,941	$1,328,511	$2,323,795	$2,340,413	$84,504	$987,275	$1,026,528
New England	180,234	334,401	335,031	175,144	268,245	265,534	5,090	66,156	69,497
Maine	2,276	6,388	6,846	1,998	3,346	3,292	278	3,042	3,554
New Hampshire	6,436	10,672	13,905	5,854	7,572	9,829	582	3,100	4,076
Vermont	4,266	7,900	9,081	3,875	5,633	5,562	391	2,267	3,519
Massachusetts	129,698	229,902	223,797	127,069	197,792	193,207	2,629	32,110	30,590
Rhode Island	10,856	16,613	17,388	10,362	12,657	13,126	494	3,956	4,262
Connecticut	26,702	62,926	64,014	25,986	41,245	40,518	716	21,681	23,496
Middle Atlantic	271,498	577,082	579,823	256,881	431,275	426,577	14,617	145,807	153,246
New York	170,219	339,734	360,897	162,322	269,471	268,516	7,897	70,263	92,381
New Jersey	27,378	64,506	54,809	26,090	41,605	38,899	1,288	22,901	15,910
Pennsylvania	73,901	172,842	164,117	68,469	120,199	119,162	5,432	52,643	44,955
East North Central	262,495	602,337	569,693	251,019	420,290	397,095	11,476	182,047	172,598
Ohio	44,120	112,098	121,277	42,082	72,416	77,048	2,038	39,682	44,229
Indiana	28,715	84,893	78,798	26,862	58,667	50,671	1,853	26,226	28,127
Illinois	90,405	172,843	160,727	87,224	128,238	121,435	3,181	44,605	39,292
Michigan	68,356	150,828	131,851	65,749	101,552	91,430	2,607	49,276	40,421
Wisconsin	30,899	81,675	77,040	29,102	59,417	56,511	1,797	22,258	20,529
West North Central	106,488	252,494	280,740	98,405	173,112	177,882	8,083	79,382	102,858
Minnesota	32,580	62,781	64,678	30,428	45,836	46,985	2,152	16,945	17,693
Iowa	19,773	42,942	57,385	18,705	29,445	37,311	1,068	13,497	20,074
Missouri	27,748	71,453	80,667	25,954	50,665	47,490	1,794	20,788	33,177
North Dakota	3,629	8,241	9,774	3,248	4,863	4,910	381	3,378	4,864
South Dakota	3,137	9,656	10,347	2,797	5,457	6,102	340	4,199	4,245
Nebraska	6,543	19,339	22,013	5,708	12,010	13,232	835	7,329	8,781
Kansas	13,078	38,082	35,876	11,565	24,836	21,852	1,513	13,246	14,024
South Atlantic	172,119	462,804	452,884	151,496	291,649	299,290	20,623	171,155	153,594
Delaware	2,601	4,103	6,189	2,302	2,734	4,311	299	1,369	1,878
Maryland	38,486	82,683	73,989	37,530	64,245	60,876	956	18,438	13,113
District of Columbia	27,947	54,666	55,623	14,784	26,179	27,431	13,163	28,487	28,192
Virginia	16,176	42,408	50,274	15,119	25,897	31,797	1,057	16,511	18,477
West Virginia	5,152	19,792	18,114	4,532	10,836	8,934	620	8,956	9,180
North Carolina	32,998	106,493	90,490	31,696	73,638	64,765	1,302	32,855	25,725
South Carolina	5,535	26,929	19,465	5,072	10,971	9,471	463	15,958	9,994
Georgia	19,254	52,718	61,958	17,875	31,803	36,619	1,379	20,915	25,339
Florida	23,970	73,012	76,782	22,586	45,346	55,086	1,384	27,666	21,696
East South Central	52,717	181,238	171,214	47,288	103,275	95,404	5,429	77,963	75,810
Kentucky	10,504	43,264	35,526	9,354	20,016	20,867	1,150	23,248	14,659
Tennessee	21,414	56,780	62,626	19,589	40,011	36,622	1,825	16,769	26,004
Alabama	11,917	56,343	44,287	10,909	29,725	23,699	1,008	26,618	20,588
Mississippi	8,882	24,851	28,775	7,436	13,523	14,216	1,446	11,328	14,559
West South Central	86,367	237,374	263,773	80,513	157,653	158,296	5,854	79,721	105,477
Arkansas	6,411	18,430	19,024	5,937	10,805	9,724	474	7,625	9,300
Louisiana	19,706	48,653	55,782	18,673	31,453	30,049	1,033	17,200	25,733
Oklahoma	16,106	33,219	37,201	15,100	19,056	17,991	1,006	14,163	19,210
Texas	44,144	137,072	151,766	40,803	96,339	100,532	3,341	40,733	51,234

TABLE 6.—*Federal obligations to universities and colleges, by geographic division, State, and type of program, fiscal years 1963, 1967, and 1968*—Continued

[Thousands of dollars]

Division and State	Total obligations			Academic science obligations			Nonscience activities		
	1963	1967	1968	1963	1967	1968	1963	1967	1968
Mountain	62,601	166,088	169,955	58,502	107,435	113,713	4,099	58,653	56,242
Montana	3,099	10,208	11,997	2,854	5,691	6,291	245	4,517	5,706
Idaho	1,921	5,907	5,601	1,760	3,066	2,757	161	2,841	2,844
Wyoming	1,703	7,087	6,025	1,424	3,988	3,908	279	3,099	2,117
Colorado	22,022	52,222	55,100	21,094	41,285	42,510	928	10,937	12,590
New Mexico	8,606	19,355	26,605	8,054	13,832	15,373	552	5,523	11,232
Arizona	9,334	36,785	24,154	8,504	13,920	14,015	830	22,865	10,139
Utah	14,399	29,610	34,731	13,612	22,523	24,637	787	7,087	10,094
Nevada	1,517	4,914	5,742	1,200	3,130	4,222	317	1,784	1,520
Pacific	211,237	473,593	525,473	202,673	358,914	396,729	8,564	114,679	128,744
Washington	28,249	63,115	69,593	27,176	48,517	53,681	1,073	14,598	15,912
Oregon	17,248	45,445	56,145	16,119	28,058	33,718	1,129	17,387	22,427
California	158,230	341,993	371,453	152,635	263,859	286,640	5,595	78,134	84,813
Alaska	3,519	6,184	10,175	3,216	5,224	8,727	303	960	1,448
Hawaii	3,991	16,856	18,107	3,527	13,256	13,963	464	3,600	4,144
Puerto Rico, Virgin Islands and Guam [a]	7,259	23,659	18,355	6,590	11,947	9,893	669	11,712	8,462

[a] The amount to the Virgin Islands and Guam were a small fraction of the total.

SOURCE: National Science Foundation (CASE).

of 7 percent from 1967. The Pacific division was the leading recipient of NSF support—$85 million in 1968, an increase of $18 million, or 26 percent; institutions in California received $56 million of that total. The East North Central and Middle Atlantic divisions had obligations of $85 million and $75 million, respectively, slightly less than these divisions received from NSF in the preceding year. Universities and colleges in the West North Central area had an increase in NSF support of 32 percent—to $32 million.

Distribution in Relation to Population and Selected Educational Variables

Comparisons of support of higher education to population and certain educational variables are able to take into account certain differences in areas and populations of States. They are subject to some important limitations, however. The fact that many universities and colleges are well known nationally and draw students from many States creates some bias in an analysis that relates benefits of Federal funds only to the particular States in which the institutions are located. Furthermore, the timelag factor involved between the initial Federal obligations and the degrees awarded clouds the relationship of the data shown. Data for three academic years were combined to lessen the effect of an unusual occurrence in any one year's awarding of degrees. The data used in tables 8 and 9 include Federal obligations for 1968 and educational statistics for the academic years 1963 through 1966. (See *Technical Notes,* page 45, for information on the use of these three-year educational data.)

The leading recipients of Federal support had smaller proportions of the total in 1968 than in prior years. Institutions in the Middle Atlantic States received 17 percent of total obligations in 1968 and 1967, compared to 19 percent in 1963. The East North Central division received 17 percent of total Federal obligations, down from 18 percent of the total in 1967 and 19 percent in 1963. Similarly, these two divisions were the largest in terms of academic science obligations as well as the number of degrees awarded in the sciences and engineering, at each level, and M.D. and D.D.S. degrees. In both of these geographic areas, the percentage of U.S. obligations received, total and academic science, was less than the percentage of degrees awarded in all categories. Only in New York was the opposite true; here, except for master's degrees, the level of Federal funding was greater in relative terms than the degrees awarded by New York institutions of higher education. In contrast,

TABLE 7.—*Total Federal obligations to universities and colleges, by geographic division, State, and agency, fiscal years 1963, 1967, and 1968*

[Thousands of dollars]

Division, State, and year	Total, all agencies	Department of Agriculture	Atomic Energy Commission	Department of Commerce	Department of Defense	Department of Health, Education, and Welfare	Department of the Interior	National Aeronautics and Space Administration	National Science Foundation	Other *
UNITED STATES, TOTAL:										
1963	$1,413,015	$104,049	$ 76,116	$1,831	$218,036	$ 665,307	$ 3,979	$ 87,357	$256,340	.....
1967	3,311,070	144,818	109,624	7,923	264,102	2,231,163	27,429	131,464	394,547	.....
1968	3,366,941	144,188	110,152	9,751	243,148	2,211,866	28,173	129,822	422,980	66,861
NEW ENGLAND:										
1963	180,234	4,360	8,735	28	44,691	71,673	299	20,787	29,661	.....
1967	334,401	6,349	11,073	327	64,943	174,763	1,781	33,255	41,910	.....
1968	335,031	6,249	12,058	900	39,488	180,895	2,313	45,059	42,768	5,301
Maine:										
1963	2,276	909	43	----	----	544	.....	205	575	.....
1967	6,388	1,323	23	61	----	3,923	181	57	820	.....
1968	6,846	1,290	.....	----	----	4,118	287	75	760	316
New Hampshire:										
1963	6,436	603	199	----	846	2,445	.....	220	2,123	.....
1967	10,672	882	82	----	501	6,297	134	1,199	1,577	.....
1968	13,905	903	43	8	1,036	7,674	152	1,434	2,533	122
Vermont:										
1963	4,266	649	25	----	234	2,778	.....	49	531	.....
1967	7,900	923	44	28	153	5,853	88	205	606	.....
1968	9,081	983	46	----	110	6,843	100	50	700	249
Massachusetts:										
1963	129,698	1,128	4,983	28	37,744	48,270	299	18,829	18,417	.....
1967	229,902	1,646	5,919	176	58,458	104,462	910	30,158	28,173	.....
1968	223,797	1,548	7,330	887	34,609	104,678	1,352	42,656	27,029	3,708
Rhode Island:										
1963	10,856	455	503	----	3,920	3,275	.....	104	2,599	.....
1967	16,613	666	682	1	3,013	8,742	175	482	2,852	.....
1968	17,388	690	813	5	2,119	9,648	287	197	3,544	85
Connecticut:										
1963	26,702	616	2,982	----	1,947	14,361	.....	1,380	5,416	.....
1967	62,926	909	4,323	61	2,818	45,486	293	1,154	7,882	.....
1968	64,014	835	3,826	----	1,614	47,934	135	647	8,202	821
MIDDLE ATLANTIC:										
1963	271,498	7,520	18,251	153	48,566	133,888	138	14,548	48,434	.....
1967	577,082	10,883	25,396	1,039	49,502	394,932	3,138	15,330	76,862	.....
1968	579,823	10,295	22,793	402	36,066	409,699	2,941	12,718	75,040	9,869
New York:										
1963	170,219	2,940	13,595	5	33,409	85,328	106	6,627	28,209	.....
1967	339,734	4,497	19,819	631	31,163	231,881	1,809	6,406	43,528	.....
1968	360,897	4,156	17,007	151	23,433	260,287	1,396	5,511	44,112	4,844
New Jersey:										
1963	27,378	1,115	1,556	----	5,039	8,371	25	3,987	7,285	.....
1967	64,506	1,504	1,911	91	6,371	37,865	418	5,682	10,664	.....
1968	54,809	1,519	1,869	105	4,554	29,999	431	4,066	11,064	1,202
Pennsylvania:										
1963	73,901	3,465	3,100	148	10,118	40,189	7	3,934	12,940	.....
1967	172,842	4,882	3,666	317	11,968	125,186	911	3,242	22,670	.....
1968	164,117	4,620	3,917	146	8,079	119,413	1,114	3,141	19,864	3,823
EAST NORTH CENTRAL:										
1963	262,495	15,399	18,205	893	46,856	114,824	148	13,673	52,497	.....
1967	602,337	21,492	25,152	1,967	46,047	399,558	4,088	18,676	85,357	.....
1968	569,693	21,452	25,951	1,826	42,444	363,946	3,818	12,462	84,501	13,293

TABLE 7.—*Total Federal obligations to universities and colleges, by geographic division, State, and agency, fiscal years 1963, 1967, and 1968*—Continued

[Thousands of dollars]

Division, State, and year	Total, all agencies	Department of Agriculture	Atomic Energy Commission	Department of Commerce	Department of Defense	Department of Health, Education, and Welfare	Department of the Interior	National Aeronautics and Space Administration	National Science Foundation	Other [a]
Ohio:										
1963	44,120	3,538	1,960	....	9,366	19,814	....	1,285	8,157	....
1967	112,098	4,785	2,552	134	9,245	83,857	977	2,200	8,348	....
1968	121,277	4,826	2,104	21	11,564	84,008	717	1,626	14,088	2,323
Indiana:										
1963	28,715	2,800	2,187	....	3,603	11,447	10	831	7,837	....
1967	84,893	4,032	3,116	7	2,951	51,959	334	2,114	20,380	....
1968	78,798	4,099	3,706	185	5,322	47,755	323	1,095	15,629	684
Illinois:										
1963	90,405	3,170	8,631	434	17,268	36,993	58	5,337	18,514	....
1967	172,843	4,517	10,905	405	18,456	105,908	822	5,150	26,680	....
1968	160,727	4,195	11,356	745	13,913	97,365	675	4,049	25,992	2,437
Michigan:										
1963	68,356	3,137	3,763	189	15,542	29,586	18	4,900	11,221	....
1967	150,828	4,370	5,450	477	14,622	101,963	1,179	4,505	18,262	....
1968	131,851	4,254	5,298	330	10,746	82,410	1,125	4,045	18,489	5,154
Wisconsin:										
1963	30,899	2,754	1,664	270	1,077	16,984	62	1,320	6,768	....
1967	81,675	3,788	3,129	944	773	55,871	776	4,707	11,687	....
1968	77,040	4,078	3,487	545	899	52,408	978	1,647	10,303	2,695
WEST NORTH CENTRAL:										
1963	106,488	15,327	3,273	7	6,089	55,319	139	5,898	20,436	....
1967	252,494	20,906	4,382	540	7,409	182,928	2,511	9,515	24,303	....
1968	280,740	20,719	4,271	51	10,701	199,345	2,656	7,081	32,008	3,908
Minnesota:										
1963	32,580	2,768	1,454	....	3,015	17,598	43	2,619	5,083	....
1967	62,781	3,984	2,397	86	2,504	43,604	344	3,203	6,659	....
1968	64,678	3,837	2,110	1	2,776	45,038	363	3,152	6,715	686
Iowa:										
1963	19,773	3,182	826	3	944	7,965	4	1,700	5,149	....
1967	42,942	4,098	580	123	1,421	30,089	273	2,343	4,015	....
1968	57,385	4,098	337	29	2,644	36,699	425	2,286	10,061	806
Missouri:										
1963	27,748	3,081	263	....	1,483	17,476	27	901	4,517	....
1967	71,453	4,113	626	169	2,598	57,209	276	1,085	5,377	....
1968	80,667	4,291	621	11	2,251	64,353	436	1,040	6,234	1,430
North Dakota:										
1963	3,629	1,247	27	....	48	1,329	....	....	978	....
1967	8,241	1,773	47	....	25	5,149	133	99	1,015	....
1968	9,774	1,734	54	....	....	6,176	111	13	1,509	177
South Dakota:										
1963	3,137	1,206	10	....	25	934	38	....	924	....
1967	9,656	1,683	11	27	49	5,637	685	49	1,515	....
1968	10,347	1,638	76	....	434	5,347	875	111	1,695	171
Nebraska:										
1963	6,543	1,738	115	2	12	3,729	5	3	939	....
1967	19,339	2,471	143	73	80	14,519	88	70	1,895	....
1968	22,013	2,510	116	10	105	16,891	145	....	2,098	138
Kansas:										
1963	13,078	2,105	578	2	562	6,288	22	675	2,846	....
1967	38,082	2,784	578	62	732	26,721	712	2,666	3,827	....
1968	35,876	2,611	957	....	2,491	24,841	301	479	3,696	500
SOUTH ATLANTIC:										
1963	172,119	18,366	6,384	248	19,267	97,085	645	6,267	23,857	....
1967	462,804	25,121	9,812	1,058	24,179	343,999	3,125	11,057	44,453	....
1968	452,884	25,193	10,867	2,525	26,731	318,166	3,471	9,858	47,791	8,282

TABLE 7.—*Total Federal obligations to universities and colleges, by geographic division, State, and agency, fiscal years 1963, 1967, and 1968*—Continued

[Thousands of dollars]

Division, State, and year	Total, all agencies	Department of Agriculture	Atomic Energy Commission	Department of Commerce	Department of Defense	Department of Health, Education, and Welfare	Department of the Interior	National Aeronautics and Space Administration	National Science Foundation	Other[a]
Delaware:										
1963	2,601	529	91	....	371	841	9	148	612	....
1967	4,103	752	94	51	334	1,997	88	79	708	....
1968	6,189	745	31	....	720	2,819	219	50	1,540	65
Maryland:										
1963	38,486	1,246	1,291	127	6,473	22,259	11	2,059	5,020	....
1967	82,683	1,696	3,178	187	6,745	58,183	316	3,173	9,205	....
1968	73,989	1,797	4,344	107	5,153	51,105	452	2,626	7,674	731
District of Columbia:										
1963	27,947	....	188	....	3,594	21,713	....	1,036	1,416	....
1967	54,666	30	241	75	3,875	45,612	73	1,759	3,001	....
1968	55,623	1	280	238	5,253	45,751	112	1,347	2,252	389
Virginia:										
1963	16,176	2,780	1,281	3	1,431	7,228	138	584	2,731	....
1967	42,408	3,852	1,024	100	1,092	30,826	198	1,844	3,472	....
1968	50,274	3,821	680	20	1,376	36,435	282	2,294	4,530	836
West Virginia:										
1963	5,152	1,829	57	....	86	2,044	139	143	854	....
1967	19,792	2,396	152	30	402	15,084	159	212	1,357	....
1968	18,114	2,442	76	49	231	12,923	201	79	847	1,266
North Carolina:										
1963	32,998	4,628	1,023	....	3,089	18,296	57	550	5,355	....
1967	106,493	6,269	2,322	111	4,044	77,072	629	948	15,098	....
1968	90,490	6,216	2,356	1,069	4,389	66,434	361	742	7,785	1,138
South Carolina:										
1963	5,535	2,459	140	5	243	1,744	....	76	868	....
1967	26,929	3,302	157	37	373	21,388	327	162	1,183	....
1968	19,465	3,307	188	....	274	13,282	292	57	1,522	543
Georgia:										
1963	19,254	3,480	818	10	896	11,121	159	463	2,307	....
1967	52,718	4,629	843	89	1,753	39,716	418	1,274	3,996	....
1968	61,958	4,665	833	296	2,951	41,963	538	1,100	7,955	1,657
Florida:										
1963	23,970	1,415	1,495	103	3,084	11,839	132	1,208	4,694	....
1967	73,012	2,195	1,801	378	5,561	54,121	917	1,606	6,433	....
1968	76,782	2,199	2,079	746	6,384	47,454	1,014	1,563	13,686	1,657
EAST SOUTH CENTRAL:										
1963	52,717	13,269	1,928	....	1,821	27,032	43	2,652	5,972	....
1967	181,238	18,655	2,678	186	2,604	140,376	715	4,328	11,696	....
1968	171,214	18,473	2,540	811	3,049	126,951	1,003	2,292	11,942	4,153
Kentucky:										
1963	10,504	3,351	204	....	367	5,338	25	81	1,138	....
1967	43,264	5,481	240	....	440	34,702	116	520	1,765	....
1968	35,526	5,220	289	404	414	24,288	164	498	2,901	1,348
Tennessee:										
1963	21,414	3,303	1,575	....	716	12,323	12	506	2,979	....
1967	56,780	4,318	2,303	109	1,125	40,456	230	876	7,363	....
1968	62,626	4,478	2,090	253	940	46,897	419	513	5,900	1,136
Alabama:										
1963	11,917	3,250	92	....	303	5,388	5	1,942	937	....
1967	56,343	4,298	70	77	743	46,773	210	2,654	1,518	....
1968	44,287	4,228	99	29	1,044	34,412	270	1,205	1,932	1,068
Mississippi:										
1963	8,882	3,365	57	....	435	3,983	1	123	918	....
1967	24,851	4,558	65	....	296	18,445	159	278	1,050	....
1968	28,775	4,547	62	125	651	21,354	150	76	1,209	601

TABLE 7.—*Total Federal obligations to universities and colleges, by geographic division, State, and agency, fiscal years 1963, 1967, and 1968*—Continued

[Thousands of dollars]

Division, State, and year	Total, all agencies	Department of Agriculture	Atomic Energy Commission	Department of Commerce	Department of Defense	Department of Health, Education, and Welfare	Department of the Interior	National Aeronautics and Space Administration	National Science Foundation	Other [a]
WEST SOUTH CENTRAL:										
1963	86,367	12,554	2,167	11	7,238	45,369	703	4,142	14,183	....
1967	237,374	16,517	5,196	834	11,283	170,143	1,923	10,526	20,952	....
1968	263,773	16,867	3,614	1,470	15,327	187,009	2,060	8,034	22,085	7,307
Arkansas:										
1963	6,411	2,619	306	....	23	2,420	12	238	793	....
1967	18,430	3,540	290	80	67	13,076	159	191	1,027	....
1968	19,024	3,517	124	....	1	13,551	201	116	784	730
Louisiana:										
1963	19,706	2,354	261	5	730	13,200	86	422	2,648	....
1967	48,653	2,984	335	50	1,033	39,582	346	769	3,554	....
1968	55,782	3,317	203	234	2,062	42,993	162	474	5,377	960
Oklahoma:										
1963	16,106	2,358	128	....	1,382	7,265	170	757	4,046	....
1967	33,219	2,984	198	351	1,665	23,766	570	811	2,874	....
1968	37,201	3,060	119	907	2,521	24,643	397	420	2,951	2,183
Texas:										
1963	44,144	5,223	1,472	6	5,103	22,484	435	2,725	6,696	....
1967	137,072	7,009	4,373	353	8,518	93,719	848	8,755	13,497	....
1968	151,766	6,973	3,168	329	10,743	105,822	1,300	7,024	12,973	3,434
MOUNTAIN:										
1963	62,601	7,254	2,411	181	10,105	21,607	875	5,927	14,241	....
1967	166,088	10,270	3,515	1,344	13,303	105,574	4,499	6,637	20,946	....
1968	169,955	10,603	3,913	833	18,986	96,069	5,011	7,213	21,379	5,948
Montana:										
1963	3,099	1,060	27	....	81	1,191	79	70	591	....
1967	10,208	1,457	51	93	247	6,488	341	125	1,406	....
1968	11,997	1,536	72	58	94	7,416	446	225	1,304	846
Idaho:										
1963	1,921	968	9	....	69	382	41	....	452	....
1967	5,907	1,383	54	....	40	3,786	121	36	487	....
1968	5,601	1,447	25	....	101	3,336	135	....	380	177
Wyoming:										
1963	1,703	700	13	....	....	608	60	....	322	....
1967	7,087	1,019	113	17	15	4,135	628	131	1,029	....
1968	6,025	959	107	20	....	2,597	640	35	1,571	96
Colorado:										
1963	22,022	1,305	730	179	3,597	8,359	102	1,629	6,121	....
1967	52,222	1,822	1,285	955	6,271	31,147	1,046	2,080	7,616	....
1968	55,100	1,883	1,524	659	7,126	31,186	1,030	2,171	8,017	1,504
New Mexico:										
1963	8,606	917	55	....	2,139	1,257	5	2,489	1,744	....
1967	19,355	1,208	130	76	2,264	9,835	374	2,608	2,860	....
1968	26,605	1,334	115	45	4,479	13,698	258	3,143	2,135	1,398
Arizona:										
1963	9,334	902	422	2	977	2,596	238	1,478	2,719	....
1967	36,785	1,491	463	77	1,678	27,713	539	1,054	3,770	....
1968	24,154	1,494	558	6	1,709	13,849	555	1,165	3,466	1,352
Utah:										
1963	14,399	883	895	....	3,242	6,833	307	210	2,029	....
1967	29,610	1,169	1,280	70	2,749	19,915	665	435	3,327	....
1968	34,731	1,217	1,321	42	4,965	22,009	1,128	373	3,268	408
Nevada:										
1963	1,517	519	260	....	....	381	43	51	263	....
1967	4,914	721	139	56	39	2,555	785	168	451	....
1968	5,742	733	191	3	512	1,978	819	101	1,238	167

TABLE 7.—*Total Federal obligations to universities and colleges, by geographic division, State, and agency, fiscal years 1963, 1967, and 1968*—Continued

[Thousands of dollars]

Division, State, and year	Total, all agencies	Department of Agriculture	Atomic Energy Commission	Department of Commerce	Department of Defense	Department of Health, Education, and Welfare	Department of the Interior	National Aeronautics and Space Administration	National Science Foundation	Other [a]
PACIFIC:										
1963	211,237	7,521	13,037	310	33,001	95,857	989	13,463	47,059	....
1967	473,593	10,729	20,122	580	44,576	302,417	5,561	22,140	67,468	....
1968	525,473	10,404	21,776	933	50,331	318,666	4,776	25,105	85,176	8,306
Washington:										
1963	28,249	1,705	1,858	....	1,923	13,771	415	585	7,992	....
1967	63,115	2,378	3,128	77	3,335	42,836	1,583	2,292	7,486	....
1968	69,593	2,370	2,872	95	1,773	44,989	1,209	681	15,028	576
Oregon:										
1963	17,248	1,411	561	....	943	9,766	145	149	4,273	....
1967	45,445	1,942	1,202	57	957	33,841	913	550	5,983	....
1968	56,145	2,023	1,073	....	2,886	39,095	922	199	7,294	2,653
California:										
1963	158,230	3,337	10,409	227	28,419	70,402	327	12,386	32,723	....
1967	341,993	4,897	14,983	344	37,726	215,425	2,633	17,012	48,973	....
1968	371,453	4,351	17,022	300	41,590	222,454	2,250	22,961	56,199	4,326
Alaska:										
1963	3,519	412	40	67	1,334	578	102	225	761	....
1967	6,184	635	202	49	1,636	1,797	282	385	1,198	....
1968	10,175	783	214	445	2,668	2,419	258	173	2,900	315
Hawaii:										
1963	3,991	656	169	16	382	1,340	....	118	1,310	....
1967	16,856	877	607	53	922	8,518	150	1,901	3,828	....
1968	18,107	877	595	93	1,414	9,709	137	1,091	3,755	436
Puerto Rico, Virgin Islands, and Guam: [b]										
1963	7,259	2,479	1,725	....	402	2,653	....	....	....	....
1967	23,659	3,896	2,298	48	256	16,473	88	....	600	....
1968	18,355	3,933	2,369	....	25	11,120	124	....	290	494

[a] Includes Office of Economic Opportunity, the Departments of Housing and Urban Development, Labor, and Transportation.

[b] The amounts to the Virgin Islands and Guam were a small fraction of the total.

SOURCE: National Science Foundation (CASE).

percentages of obligations exceeded percentages of degrees awarded in every State in the Pacific division.

The South Atlantic division had a lower percentage of total obligations in 1968—13 percent, declining from 14 percent in 1967. It accounted for 12 percent of total degrees in 1963-66, including over 15 percent of the medical degrees, and 11 percent of the degrees awarded in the sciences and engineering. The West North Central, West South Central, and Mountain divisions had relative increases in their shares of total Federal obligations and academic science obligations, while the New England and East South Central States had decreases in their proportions of total Federal support. In none of these divisions did their share of Federal obligations differ by more than 1 or 2 percentage points from their shares of degrees awarded.

The ranking of the States in table 9 has varied little from year to year, and the relationships among the variables have remained fairly close. Nine of the 10 leading States were also in the top 10 in 1967; Missouri is the addition, replacing Indiana in 10th place. California regained the top position in academic science, thus, having the same rank in all categories as in 1966: first in total Federal obligations, academic science obligations, population, and student enrollment. New York was second in those categories and first in all others. In 1968 Pennsylvania and Illinois, as well as Texas and Michigan, exchanged positions.

Generally, the top ranking States also stood high in degrees awarded, but North Carolina and Missouri both had higher rankings in terms of Federal support than in degrees granted or student enrollment. Indi-

TABLE 8.—*Distribution of Federal obligations to universities and colleges and degrees awarded by universities and colleges, by geographic division and state, various years*

Division and State	Total obligations, FY 1968 (thousands of dollars)	Total degrees awarded, 1963-66	Academic science obligations, FY 1968 (thousands of dollars)	Degrees awarded in the sciences and engineering, 1963-66			M.D. and D.D.S. degrees, 1963-66
				Ph.D.	Master's	Bachelor's	
United States, total	$3,366,941	1,990,412	$2,340,413	30,254	99,941	489,448	31,796
	Percent of U.S. total						
New England	9.95	7.79	11.35	10.21	8.90	8.22	5.00
Maine	.20	.45	.14	.06	.25	.60	....
New Hampshire	.41	.45	.42	.20	.46	.64	....
Vermont	.27	.36	.24	.07	.11	.49	.41
Massachusetts	6.65	4.46	8.26	7.08	5.78	4.57	3.88
Rhode Island	.52	.57	.56	.88	.54	.64	....
Connecticut	1.90	1.50	1.73	1.93	1.76	1.28	.71
Middle Atlantic	17.23	18.92	18.23	18.56	20.31	19.78	21.11
New York	10.72	10.36	11.47	10.50	12.32	10.14	11.11
New Jersey	1.63	2.48	1.66	2.86	2.92	2.53	1.04
Pennsylvania	4.88	6.08	5.09	5.20	5.08	7.11	8.96
East North Central	16.92	20.32	16.97	23.67	21.27	19.67	20.44
Ohio	3.60	4.84	3.29	3.74	3.87	4.85	4.72
Indiana	2.34	3.30	2.17	4.42	4.02	3.41	2.35
Illinois	4.77	5.09	5.19	7.28	5.78	4.53	6.85
Michigan	3.92	4.67	3.91	4.97	5.23	4.36	3.92
Wisconsin	2.29	2.42	2.41	3.26	2.36	2.53	2.61
West North Central	8.34	9.78	7.60	9.22	8.58	9.56	10.99
Minnesota	1.92	2.11	2.01	2.38	1.21	2.23	2.16
Iowa	1.70	1.73	1.59	2.92	1.63	1.82	1.47
Missouri	2.40	2.36	2.03	1.79	2.33	2.24	4.28
North Dakota	.29	.44	.21	.15	.46	.49	....
South Dakota	.31	.46	.26	.06	.46	.56	....
Nebraska	.65	1.11	.57	.48	.58	.81	2.09
Kansas	1.07	1.57	.93	1.44	1.91	1.42	.98
South Atlantic	13.45	11.75	12.79	10.31	9.20	11.80	15.40
Delaware	.18	.17	.18	.45	.35	.20	....
Maryland	2.20	1.42	2.60	2.04	.88	1.34	2.56
District of Columbia	1.65	1.32	1.17	1.35	1.64	.91	3.89
Virginia	1.49	1.52	1.36	.91	1.02	1.94	1.96
West Virginia	.54	.86	.38	.24	.59	.91	.72
North Carolina	2.69	2.29	2.77	2.47	1.57	2.31	2.25
South Carolina	.58	.86	.40	.22	.45	.89	.70
Georgia	1.84	1.49	1.56	.87	1.25	1.66	2.17
Florida	2.28	1.83	2.35	1.77	1.44	1.64	1.16
East South Central	5.08	5.59	4.08	2.30	3.64	5.25	7.16
Kentucky	1.06	1.38	.89	.42	.57	1.14	1.75
Tennessee	1.86	1.88	1.56	1.18	1.49	1.94	3.74
Alabama	1.32	1.31	1.01	.38	.82	1.32	1.06
Mississippi	.85	1.02	.61	.32	.76	.85	.62

TABLE 8.—*Distribution of Federal obligations to universities and colleges and degrees awarded by universities and colleges, by geographic division and state, various years*—Continued

Division and State	Total obligations, FY 1968 (thousands of dollars)	Total degrees awarded, 1963-66	Academic science obligations, FY 1968 (thousands of dollars)	Degrees awarded in the sciences and engineering, 1963-66			M.D. and D.D.S. degrees, 1963-66
				Ph.D.	Master's	Bachelor's	
West South Central	7.83	8.74	6.76	6.56	7.71	8.07	8.84
Arkansas	.56	.83	.42	.18	.58	.79	.88
Louisiana	1.66	1.59	1.28	1.17	1.37	1.44	2.72
Oklahoma	1.10	1.58	.77	1.60	2.02	1.45	.88
Texas	4.51	4.73	4.30	3.61	3.73	4.39	4.36
Mountain	5.05	4.84	4.86	4.08	6.04	4.91	1.18
Montana	.36	.42	.27	.20	.46	.46	....
Idaho	.17	.28	.12	.09	.34	.30	....
Wyoming	.18	.18	.17	.12	.35	.22	....
Colorado	1.64	1.48	1.82	1.45	1.58	1.40	.72
New Mexico	.79	.46	.66	.35	.95	.50	....
Arizona	.72	.94	.60	.89	1.34	.75	....
Utah	1.03	.99	1.05	.97	.94	1.15	.46
Nevada	.17	.09	.18	.02	.10	.11	....
Pacific	15.61	11.66	16.95	15.08	14.28	12.15	9.29
Washington	2.07	1.73	2.29	1.90	1.65	1.92	1.20
Oregon	1.67	1.29	1.44	1.27	1.16	1.35	1.34
California	11.03	8.35	12.25	11.68	10.90	8.55	6.75
Alaska	.30	.04	.37	.03	.08	.04	....
Hawaii	.54	.25	.60	.20	.48	.28	....
Puerto Rico, Virgin Islands, and Guam [a]	.55	.61	.42	....	.08	.60	.59

[a] The amounts to the Virgin Islands and Guam were a small fraction of the total.

SOURCE: National Science Foundation (CASE).

ana, on the other hand, had higher degree ranking than for obligations. The lower ranking States in terms of obligations also granted the fewest degrees and stood the lowest in terms of population and student enrollment.

North Carolina, Florida, and Maryland ranked higher in terms of Federal obligations than in terms of degrees conferred in the sciences and engineering. New Jersey and Indiana ranked higher in terms of degrees than in terms of obligations.

Distribution of R&D Obligations

Federal obligations to academic institutions for research and development reached $1,416 million, rising 7 percent from $1,324 million in 1967 (table 10). This was a substantially lower increase than the 12-percent average rate registered annually during the years 1963-67. The distribution of R&D funds has been essentially the same throughout the 6-year period, owing to the fact that R&D support generally goes to the institutions which have the established scientific capabilities.

The Pacific division replaced the Middle Atlantic division in 1968 as the leading recipient of R&D funding (table 11). It received $266 million, an increase of 17 percent; it accounted for 19 percent of the total R&D support. This division's increase of $38 million represented 42 percent of the total increase in R&D obligations in 1968. Universities and colleges in California received $27 million more for R&D activities in 1968, with substantial increases in obligations from most of the Federal agencies.

States in the Middle Atlantic division received $253 million in Federal obligations for research and development in 1968. The division's gain of $2 million was due to the $9-million rise in funds to New York; HEW support increased by $10 million and NSF by $5 million, offsetting decreases in other

TABLE 9.—*Rankings of Federal obligations to universities and colleges, population and selected educational data, by State, various years*

States (in order of total Federal obligations, FY 1968) [a]	Population July 1, 1968	Earned degrees awarded, all levels, 1963-66	Student enrollment— All levels, Fall 1967	Student enrollment— Advanced degrees, Fall 1966	Academic science obligations, FY 1968	Earned degrees in the sciences and engineering, 1963-66: Total	Earned degrees in the sciences and engineering, 1963-66: Doctor's [b]	Earned degrees in the sciences and engineering, 1963-66: Master's	Earned degrees in the sciences and engineering, 1963-66: Bachelor's	Student enrollment, advanced degrees in sciences and engineering, Fall 1965
1. California	1	2	1	2	1	2	2	2	2	2
2. New York	2	1	2	1	2	1	1	1	1	1
3. Massachusetts	10	8	8	6	3	5	5	4	5	4
4. Pennsylvania	3	3	4	5	5	3	3	6	3	3
5. Illinois	4	4	5	4	4	4	4	3	6	5
6. Texas	5	6	3	8	6	8	8	9	7	8
7. Michigan	7	7	6	3	7	7	6	5	8	7
8. Ohio	6	5	7	7	8	6	7	8	4	6
9. North Carolina	11	13	16	19	9	13	14	20	12	18
10. Missouri	13	12	12	11	15	12	10	12	13	13
11. Indiana	12	9	10	10	14	9	9	7	9	9
12. Wisconsin	16	11	11	12	11	10	11	11	10	12
13. Florida	9	16	9	15	12	19	22	22	20	22
14. Maryland	18	26	18	17	10	25	15	31	26	14
15. Washington	22	18	14	22	13	16	20	16	17	16
16. Minnesota	20	14	15	14	16	14	16	20	14	15
17. Connecticut	24	23	24	16	18	26	[c] 25	15	28	17
18. Tennessee	17	15	19	23	21	15	13	21	16	24
19. Georgia	15	24	23	26	22	20	21	25	19	27
20. Iowa	25	17	22	28	20	17	17	18	18	21
21. Oregon	31	30	26	31	23	27	[c] 25	27	25	28
22. Louisiana	19	19	20	18	25	22	18	23	22	25
23. Dist. of Columbia	40	28	32	13	26	28	12	17	31	11
24. Colorado	30	25	25	21	17	24	30	19	24	20
25. New Jersey	8	10	13	9	19	11	19	10	11	10
26. Virginia	14	22	17	27	24	18	23	28	15	29
27. Alabama	21	29	29	32	28	29	31	32	27	31
28. Oklahoma	27	20	21	20	31	21	27	13	21	19
29. Kansas	29	21	28	24	29	23	28	14	23	23
30. Kentucky	23	27	27	30	30	31	29	37	30	35
31. Utah	36	33	31	29	27	30	32	30	29	30
32. Mississippi	28	32	33	36	33	35	35	33	34	37
33. New Mexico	37	40	39	35	32	40	41	29	42	32
34. Arizona	34	34	30	25	34	34	37	24	37	26
35. Nebraska	35	31	34	33	36	32	24	36	35	34
36. South Carolina	26	36	36	38	40	36	36	44	33	38
37. Arkansas	32	37	37	39	39	37	33	35	36	42
38. West Virginia	33	35	35	37	41	33	34	34	32	36
39. Hawaii	41	47	40	40	35	46	[c] 43	39	47	41
40. Rhode Island	39	38	38	34	37	38	38	38	38	33
41. New Hampshire	43	42	44	41	38	39	42	43	39	40
42. Montana	44	44	46	46	43	44	[c] 43	42	45	43
43. South Dakota	45	39	41	45	44	41	49	41	41	45
44. Alaska	51	51	51	51	42	51	50	51	51	51
45. North Dakota	46	43	42	43	46	43	45	40	43	44
46. Vermont	49	45	47	49	45	45	39	49	44	50
47. Maine	38	41	45	44	50	42	48	48	40	49
48. Delaware	47	49	48	[d] 42	47	49	40	46	49	39
49. Wyoming	50	48	49	48	49	48	46	45	48	46
50. Nevada	48	50	50	50	48	50	51	50	50	48
51. Idaho	42	46	43	47	51	47	47	47	46	47

[a] Includes the District of Columbia; excludes U.S. service schools.

[b] Includes M.D. and D.D.S.

[c] Duplicate numbers indicate "tie" for place; e.g. same number of doctors degrees were awarded in Montana and Hawaii, and in Connecticut and Oregon.

[d] Date for Delaware, fall 1965.

SOURCE: National Science Foundation (CASE).

TABLE 10.—*Federal obligations to universities and colleges for research and development and R&D plant, by geographic division, fiscal years 1963, 1967, and 1968*

Geographic division	Research and development			R&D plant			Research and development and R&D plant					
	(Millions of dollars)						Percent distribution			As percent of total Federal obligations		
	1963	1967	1968	1963	1967	1968	1963	1967	1968	1963	1967	1968
United States, total	$829.5	$1,324.1	$1,415.8	$105.9	$116.7	$101.9	100.00	100.00	100.00	66.20	43.52	45.08
New England	128.8	187.6	186.1	10.7	10.5	9.4	14.91	13.75	12.88	77.38	59.25	58.34
Middle Atlantic	170.2	250.6	253.0	20.4	27.5	28.7	20.38	19.30	18.56	70.21	48.19	48.58
East North Central	158.2	236.7	242.8	26.8	33.3	14.7	19.77	18.74	16.97	70.46	44.84	45.21
West North Central	50.3	83.2	91.7	8.0	5.5	9.9	6.24	6.15	6.69	54.80	35.12	36.19
South Atlantic	87.4	151.5	167.4	8.1	14.0	12.6	10.21	11.49	11.86	55.49	35.76	39.75
East South Central	24.0	45.8	45.9	1.3	3.6	1.4	2.70	3.43	3.12	47.89	27.23	27.61
West South Central	42.4	78.9	87.6	5.8	3.9	6.4	5.15	5.75	6.19	55.80	34.88	35.62
Mountain	33.7	57.6	71.7	3.7	4.9	3.2	4.00	4.34	4.94	59.66	37.66	44.08
Pacific	132.2	228.1	266.4	20.8	13.1	15.5	16.36	16.74	18.57	72.45	50.94	53.63
Puerto Rico, Virgin Islands, and Guam [a]	2.4	4.1	3.3	.3	.3	.2	.29	.30	.23	36.74	18.57	18.86

[a] The amounts to the Virgin Islands and Guam were a small fraction of the total.

SOURCE: National Science Foundation (CASE).

agencies' obligations (principally DOD). New Jersey and Pennsylvania had decreases of 12 percent and 6 percent, respectively.

More than one-half of the States showed increases in Federal R&D funding that exceeded the national average. Overall, the percent changes varied from a 71-percent increase in Delaware to a 23-percent decrease in Alabama.

In the East North Central division, the total for which was $243 million, Ohio had a gain of 19 percent bringing that State's total to $45 million for research and development in 1968. NSF and DOD reported increases in R&D obligations in Ohio institutions of $3 million and $2 million, respectively. Wisconsin's total was $35 million, nearly 15 percent greater than in 1967. The other three East North Central States registered declines.

States in the Mountain division showed the biggest gain in receipt of Federal funds for research and development, rising by 24 percent to $72 million from the 1967 total of $58 million. New Mexico, Nevada, Utah, and Montana each had increases in 1968 that were greater than the division's average.

Among the Federal agencies, the Department of Health, Education, and Welfare accounted for 44 percent of R&D funds to universities and colleges in 1968—a total of $619 million. This was an increase of 7 percent from 1967, but was well below the average increase of 15 percent each year in the period 1963 through 1967. Institutions in New York were the leading recipients of R&D support from HEW with a sum of $93 million, over one-seventh of the Department's total. HEW funds to all geographic divisions increased in 1968 except to the East South Central States and to Puerto Rico, the Virgin Islands, and Guam.

The Department of Defense provided the next largest proportion of R&D funding, although its share has been decreasing since 1963; in 1968 obligations from DOD were 17 percent of the R&D total, compared to 20 percent in 1967 and 26 percent in 1963. The DOD total was $243 million, down 8 percent from the 1967 amount, and in sharp contrast to the average annual increase of 5 percent during 1963-67. Support has been shifted from the New England and Middle Atlantic divisions to some of the others, notably the Pacific division, which registered an increase of 13 percent in 1968, bringing its DOD total to $50 million.

The National Science Foundation obligated $213 million for research and development; that amount was 15 percent of the 1968 total, while in 1963 the agency had accounted for less than 13 percent of the total. The R&D funding rose by 10 percent in 1968, which was somewhat lower than the 17-percent rate of increase annually during the 1963-67 period. The NSF support represented a larger share of each geographic division's total in 1968 than in 1963. The West North Central and Pacific divisions had increases of 27 percent and 26 percent, respectively, from NSF in 1968.

While research and development has been the major share of Federal support to academic institutions, it was declining as a percent of the total from

TABLE 11.—*Federal obligations to universities and colleges for research and development with average annual growth rates, fiscal years 1963-67, and percent change, fiscal years 1967-68, by geographic division and State*

Division and State	Research and development (thousands of dollars)			Average annual growth rate, 1963-67 (percent)	Percent change, 1967-68
	1963	1967	1968		
United States, total	$829,524	$1,324,144	$1,415,833	12.4	6.9
New England	128,772	187,585	186,071	9.9	—.8
Maine	858	1,201	1,264	8.8	5.2
New Hampshire	3,517	4,731	6,590	7.7	39.3
Vermont	2,507	2,953	3,051	4.2	3.3
Massachusetts	99,324	146,459	142,335	10.2	—2.8
Rhode Island	7,223	8,688	8,826	4.7	1.6
Connecticut	15,343	23,553	24,005	11.3	1.9
Middle Atlantic	170,196	250,625	252,983	10.2	.9
New York	109,818	158,266	167,731	9.6	6.0
New Jersey	17,983	26,626	23,497	10.3	—11.8
Pennsylvania	42,395	65,733	61,755	11.6	—6.1
East North Central	158,192	236,742	242,829	10.6	2.6
Ohio	26,679	37,682	44,846	9.0	19.0
Indiana	16,354	30,368	27,950	16.7	—8.0
Illinois	57,096	79,941	77,257	8.8	—3.4
Michigan	41,262	58,065	57,622	8.9	—.8
Wisconsin	16,801	30,686	35,154	16.3	14.6
West North Central	50,340	83,202	91,694	13.4	10.2
Minnesota	17,951	25,009	26,586	8.6	6.3
Iowa	8,662	15,081	18,149	14.9	20.3
Missouri	12,822	24,813	26,416	17.9	6.5
North Dakota	919	1,590	1,424	14.7	—10.5
South Dakota	891	1,932	2,967	21.3	53.6
Nebraska	3,028	4,577	5,173	10.9	13.0
Kansas	6,067	10,200	10,979	13.9	7.6
South Atlantic	87,368	151,508	167,427	14.8	10.5
Delaware	1,199	1,590	2,718	7.3	70.9
Maryland	25,176	39,556	36,632	12.0	—7.4
District of Columbia	9,960	14,463	16,644	9.8	15.1
Virginia	8,093	11,354	14,310	8.8	26.0
West Virginia	2,054	4,161	3,935	19.3	—5.4
North Carolina	16,439	35,901	35,216	21.6	—1.9
South Carolina	2,005	3,226	3,708	12.6	14.9
Georgia	8,433	14,589	18,829	14.7	29.1
Florida	14,009	26,668	35,435	17.5	32.9
East South Central	23,960	45,776	45,911	17.6	.3
Kentucky	4,647	8,656	10,501	16.8	21.3
Tennessee	9,823	18,801	18,622	17.6	—1.0
Alabama	6,009	13,597	10,474	22.6	—23.0
Mississippi	3,481	4,722	6,314	7.9	33.7
West South Central	42,442	78,919	87,577	16.8	11.0
Arkansas	2,514	4,112	3,751	13.1	—8.8
Louisiana	8,822	14,291	15,913	12.8	11.3
Oklahoma	6,003	8,084	8,399	7.7	3.9
Texas	25,103	52,432	59,514	20.2	13.5
Mountain	33,658	57,634	71,734	14.4	24.5
Montana	1,318	2,222	2,923	13.9	31.5
Idaho	813	1,089	1,026	7.6	—5.8
Wyoming	543	1,949	2,070	37.6	6.2
Colorado	10,783	23,062	27,057	20.9	17.3
New Mexico	5,789	8,116	11,577	8.8	42.6
Arizona	5,346	7,470	8,058	8.7	7.9
Utah	8,289	11,750	16,273	9.1	38.5
Nevada	777	1,976	2,750	26.3	39.2
Pacific	132,211	228,093	266,353	14.6	16.8
Washington	14,660	27,814	32,061	17.4	15.3
Oregon	8,737	14,730	19,138	13.9	29.9
California	103,596	173,046	199,880	13.7	15.5
Alaska	2,839	4,292	6,106	10.9	42.3
Hawaii	2,379	8,211	9,168	36.3	11.7
Puerto Rico, Virgin Islands, and Guam [a]	2,385	4,060	3,254	14.2	—19.9

[a] The amounts to the Virgin Islands and Guam were a small fraction of the total.
SOURCE: National Science Foundation (CASE).

1964 to 1967. It did account, though, for a somewhat greater proportion of total Federal obligations in 1968 than in 1967. Funds for research and development were 42 percent of the Federal total in 1968, compared to 40 percent in 1967; they were 59 percent of the total in 1963. States varied substantially in R&D support. It represented 60 percent or more of the total obligations to Massachusetts and Alaska in 1968 but less than 20 percent of the funds in Maine, North Dakota, South Carolina, Arkansas, Idaho, and Puerto Rico, the Virgin Islands, and Guam. By comparison, in 1963 there were 11 States in which R&D support represented more than 60 percent of the total and 17 others in which it was at least one-half.

Federal support for R&D plant was $102 million in 1968, dropping from $117 million in 1967 and $106 million in 1963. It is not uncommon for wide fluctuations to occur in the funding of R&D plant activities for an individual institution because of the initiation or completion of large plant projects.

The States in the Middle Atlantic division were the leading recipients of R&D plant support in 1968 with a total of $29 million; HEW increased its obligations to this area by $11 million, offsetting the $6-million decrease by NSF. Funds to Pennsylvania almost doubled in 1968 from 1967—to $10 milliion.

The ranking of States in terms of R&D plant funds was similar to that of R&D obligations. The top States, with their respective amounts of R&D plant support in 1968, were as follows:

(Thousands of dollars)

New York	$15,981
Pennsylvania	10,290
California	7,848
Massachusetts	6,339
Iowa	5,776
Texas	4,921
Illinois	4,585
Indiana	4,162
Washington	3,609
Virginia	3,500

Five of them—New York, Pennsylvania, California, Massachusetts, and Illinois—were also among the top 10 recipients in 1963 and 1967.

When obligations for research and development and R&D plant are combined, the total represented 45 percent of Federal support to universities and colleges in 1968, substantially lower than in 1963 when it was 66 percent of this total (table 10). This is an indication of the trend toward increased interest in education in the sciences (classified as "other science" in this report) and in nonscience activities.

In six of the geographic areas, Federal obligations for research and development and R&D plant represented smaller proportions of total funds than the national average. In the East South Central States, for example, this support accounted for 28 percent of total obligations; in Mississippi and Alabama this type of support was less than 25 percent of total Federal funding in 1968. Research and development and R&D plant were 19 percent of total obligations in Puerto Rico, the Virgin Islands, and Guam.

IV. Distribution of Federal Support by Institution

Total Federal Obligations to Individual Universities and Colleges

A total of 2,174 universities and colleges received obligations in 1968 from the Federal agencies included in this report. This was an increase of 118 from the number receiving support in 1967.[4] A substantial part of the increase was due to the additional 2-year institutions receiving Federal funds in 1968. (See page 35.) Also, some institutions were considered as separate entries for the first time in 1968, resulting from the formation of new systems. (See *Technical Notes,* page 45.)

The distribution of Federal support in 1968 showed less concentration in the largest program-size classes and also in the lowest class size (table 12). The number of institutions comprising the top three classes decreased by 10, and they represented 16 percent of total number of recipients of Federal obligations in 1968, compared to 18 percent in 1967 and in 1963. The next two size classes had an increase of 91 institutions from 1967 and an increase of 730 from 1963: the $500,000-to-$999,999 class went from 30 in 1963, to 213 in 1967, and to 233 in 1968; the $100,000-to-$499,999 group rose from 155 in 1963, to 611 in 1967, and to 682 in 1968. Together they represented two-fifths of the total in 1968, and almost one-half of the number of recipient universities and colleges.

There were 909 academic institutions receiving less than $100,000 in 1968, and they accounted for 42 percent of the total. Although the proportion represented by this program-size class was the same as in 1967, the number of institutions was higher—up from 872 in 1967. The cutbacks made by the Office of Education affected this class, because for the smaller institutions, particularly the 2-year schools, OE was their sole source of Federal support.

Table 13 presents the 100 institutions receiving the largest amounts of Federal funds in 1968. They received a total of $2,315 million, which was 69 percent of the U. S. total. This amount was 2 percent greater than the sum received by the top 100 in 1967, but the proportion of the total was the same. In 1963 when Federal funds were more highly concentrated among the recipient universities and colleges, the first 100 institutions received 85 percent of the total support.

There were ten new entries in the top 100 list in 1968 and many fluctuations within the composition from 1967. When noting these changes, it must be considered that any one institution is subject to differences in rankings from year to year, as one large grant or contract may constitute much of the total obligation to an institution in any one year. The entire amount of the obligation is reported for the year during which it was made, even though it may extend over several years.

CUNY Mt. Sinai School of Medicine received $34 million in obligations in 1968, the first year of Federal funding, and ranked 18th in terms of total support. This is a newly established academic institution—it admitted its first students in September 1968. The National Institutes of Health obligated $32 million

TABLE 12.—*Number of universities and colleges receiving Federal obligations, ranked by size of Federal program, fiscal year 1968*

Size of Federal program (thousands of dollars)	Number of institutions	Percent distribution
Total	2,174	100.00
Less than $100	909	41.81
$100 to $499	682	31.37
$500 to $999	233	10.72
$1,000 to $4,999	214	9.84
$5,000 to $9,999	53	2.44
$10,000 or more	83	3.82

SOURCE: National Science Foundation (CASE).

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[4] In addition, there were 20 administrative offices of systems (central systems) that received Federal obligations in 1968.

TABLE 13.—*Federal obligations to 100 universities and colleges receiving the largest amounts, fiscal year 1968*

[Dollar amounts in thousands]

Institution (in order of total Federal obligations)	State	Total obligations		Academic science		Nonscience activities	
		Amount	Percent of U.S. total	Amount	Percent of U.S. total	Amount	Percent of U.S. total
Total for 100 universities and colleges		$2,314,810	68.75	$1,868,642	79.84	$446,168	43.46
1. Massachusetts Institute of Technology	Massachusetts	90,087	2.68	88,906	3.80	1,181	.12
2. Harvard University	Massachusetts	60,348	1.79	56,538	2.42	3,810	.37
3. University of California—Los Angeles	California	60,070	1.78	48,377	2.07	11,693	1.14
4. Stanford University	California	58,672	1.74	55,898	2.39	2,774	.27
5. University of Michigan	Michigan	56,651	1.68	50,392	2.15	6,259	.61
6. University of California—Berkeley	California	54,426	1.62	49,173	2.10	5,253	.51
7. Columbia University*	New York	52,367	1.56	46,755	2.00	5,612	.55
8. University of Minnesota	Minnesota	52,189	1.55	43,959	1.88	8,230	.80
9. University of Washington	Washington	50,280	1.49	43,609	1.86	6,671	.65
10. University of Wisconsin—Madison	Wisconsin	49,309	1.46	44,308	1.89	5,001	.49
11. University of Illinois—Urbana	Illinois	47,721	1.42	41,855	1.79	5,866	.57
12. New York University	New York	43,399	1.29	36,449	1.56	6,950	.68
13. University of Chicago	Illinois	43,005	1.28	39,686	1.70	3,319	.32
14. Cornell University	New York	39,567	1.18	36,827	1.57	2,740	.27
15. Johns Hopkins University	Maryland	38,392	1.14	35,764	1.53	2,628	.26
16. Ohio State University	Ohio	35,871	1.07	26,757	1.14	9,114	.89
17. University of Pennsylvania	Pennsylvania	35,351	1.05	31,018	1.33	4,333	.42
18. CUNY Mount Sinai School of Medicine	New York	33,710	1.00	15,818	.68	17,892	1.74
19. Case Western Reserve University	Ohio	32,460	.96	23,653	1.01	8,807	.86
20. Indiana University	Indiana	32,325	.96	19,297	.82	13,028	1.27
21. Yale University	Connecticut	31,893	.95	29,505	1.26	2,388	.23
22. Michigan State University	Michigan	31,549	.94	22,968	.98	8,581	.84
23. University of Iowa	Iowa	31,324	.93	22,059	.94	9,265	.90
24. University of California—San Diego	California	28,916	.86	27,324	1.17	1,592	.16
25. Duke University	North Carolina	28,567	.85	25,607	1.09	2,960	.29
26. University of Oregon	Oregon	28,090	.83	15,708	.67	12,382	1.21
27. University of Maryland	Maryland	27,928	.83	23,126	.99	4,802	.47
28. University of California—San Francisco	California	27,627	.82	19,143	.82	8,484	.83
29. University of Colorado	Colorado	26,253	.78	22,448	.96	3,805	.37
30. University of Rochester	New York	25,950	.77	20,137	.86	5,813	.57
31. Purdue University	Indiana	25,028	.74	20,393	.87	4,635	.45
32. Washington University	Missouri	24,663	.73	22,233	.95	2,430	.24
33. University of Pittsburgh	Pennsylvania	24,397	.72	20,956	.90	3,441	.34
34. University of Tennessee	Tennessee	23,616	.70	18,267	.78	5,349	.52
35. University of Southern California	California	23,388	.69	18,509	.79	4,879	.48
36. University of Connecticut	Connecticut	23,195	.69	7,054	.30	16,141	1.57
37. University of Utah	Utah	22,722	.67	17,246	.74	5,476	.53
38. Yeshiva University	New York	22,514	.67	20,851	.89	1,663	.16
39. University of Missouri—Columbia	Missouri	21,993	.65	13,540	.58	8,453	.82
40. University of Florida	Florida	21,737	.65	17,381	.74	4,356	.42
41. University of North Carolina—Chapel Hill	North Carolina	21,709	.64	17,913	.77	3,796	.37
42. University of Miami	Florida	20,748	.62	18,159	.78	2,589	.25
43. Howard University	District of Columbia	20,561	.61	2,735	.12	17,826	1.74
44. University of Virginia	Virginia	20,138	.60	14,256	.61	5,882	.57
45. Pennsylvania State University	Pennsylvania	20,100	.60	16,100	.69	4,000	.39
46. University of Georgia	Georgia	19,831	.59	15,355	.66	4,476	.44
47. University of Alabama	Alabama	18,736	.56	13,012	.56	5,724	.56
48. Rutgers,The State University	New Jersey	18,624	.55	15,534	.66	3,090	.30
49. University of Oklahoma	Oklahoma	18,560	.55	8,608	.37	9,952	.97
50. University of Kentucky	Kentucky	17,922	.53	13,384	.57	4,538	.44
51. University of Hawaii	Hawaii	17,858	.53	13,913	.59	3,945	.38
52. University of Texas—Austin	Texas	17,619	.52	15,133	.65	2,486	.24
53. Northwestern University	Illinois	17,519	.52	14,547	.62	2,972	.29
54. University of Kansas	Kansas	17,103	.51	11,976	.51	5,127	.50
55. University of Texas—Southwestern Medical School	Texas	16,968	.50	9,178	.39	7,790	.76

TABLE 13.—*Federal obligations to 100 universities and colleges receiving the largest amounts, fiscal year 1968*—Continued

[Dollar amounts in thousands]

Institution (in order of total Federal obligations)	State	Total obligations		Academic science		Nonscience activities	
		Amount	Percent of U.S. total	Amount	Percent of U.S. total	Amount	Percent of U.S. total
56. Florida State University	Florida	16,945	.50	14,169	.61	2,776	.27
57. California Institute of Technology	California	16,928	.50	16,669	.71	259	.03
58. Baylor University	Texas	16,876	.50	15,139	.65	1,737	.17
59. Princeton University	New Jersey	16,537	.49	15,008	.64	1,529	.15
60. Boston University	Massachusetts	16,396	.49	11,848	.51	4,548	.44
61. Oregon State University	Oregon	16,237	.48	14,042	.60	2,195	.21
62. Syracuse University	New York	16,096	.48	12,491	.53	3,605	.35
63. Colorado State University	Colorado	15,847	.47	12,485	.53	3,362	.33
64. University of California—Davis	California	15,373	.46	14,057	.60	1,316	.13
65. Texas A&M University	Texas	14,711	.44	13,415	.57	1,296	.13
66. Tulane University	Louisiana	14,653	.44	12,448	.53	2,205	.21
67. Iowa State University	Iowa	14,648	.44	11,972	.51	2,676	.26
68. Vanderbilt University	Tennessee	14,574	.43	11,285	.48	3,289	.32
69. University of Nebraska	Nebraska	14,405	.43	10,982	.47	3,423	.33
70. University of Arizona	Arizona	14,023	.42	9,491	.41	4,532	.44
71. SUNY State University—Buffalo	New York	13,950	.41	10,703	.46	3,247	.32
72. University of New Mexico	New Mexico	13,933	.41	6,536	.28	7,397	.72
73. North Carolina State University—Raleigh	North Carolina	13,916	.41	12,756	.55	1,160	.11
74. George Washington University	District of Columbia	13,335	.40	10,879	.46	2,456	.24
75. Temple University	Pennsylvania	13,326	.40	8,708	.37	4,618	.45
76. Louisiana State University—Medical Center	Louisiana	13,205	.39	2,302	.10	10,903	1.06
77. Wayne State University	Michigan	12,950	.38	9,440	.40	3,510	.34
78. Emory University	Georgia	11,454	.34	9,739	.42	1,715	.17
79. University of Massachusetts	Massachusetts	11,433	.34	8,550	.37	2,883	.28
80. University of Cincinnati	Ohio	11,302	.34	9,327	.40	1,975	.19
81. Hahnemann Medical College and Hospital	Pennsylvania	11,148	.33	9,982	.43	1,166	.11
82. University of Arkansas	Arkansas	10,804	.32	8,209	.35	2,595	.25
83. West Virginia University	West Virginia	10,033	.30	6,949	.30	3,084	.30
84. Oklahoma State University	Oklahoma	9,829	.29	7,667	.33	2,162	.21
85. University of Alaska	Alaska	9,716	.29	8,678	.37	1,038	.10
86. Carnegie Mellon University	Pennsylvania	9,415	.28	8,452	.36	963	.09
87. Brown University	Rhode Island	9,412	.28	8,417	.36	995	.10
88. Louisiana State University—Baton Rouge	Louisiana	9,374	.28	9,022	.39	352	.03
89. Medical College of Georgia	Georgia	9,084	.27	2,145	.09	6,939	.68
90. Auburn University	Alabama	8,945	.27	6,925	.30	2,020	.20
91. Rice University	Texas	8,920	.26	8,376	.36	544	.05
92. Mississippi State University	Mississippi	8,841	.26	6,574	.28	2,267	.22
93. Washington State University	Washington	8,791	.26	7,082	.30	1,709	.17
94. Kansas State University	Kansas	8,646	.26	7,303	.31	1,343	.13
95. Utah State University	Utah	8,348	.25	5,620	.24	2,728	.27
96. Tufts University	Massachusetts	8,101	.24	6,121	.26	1,980	.19
97. Georgetown University	District of Columbia	8,034	.24	6,372	.27	1,662	.16
98. University of Notre Dame	Indiana	7,663	.23	6,674	.29	989	.10
99. Virginia Polytechnic Institute	Virginia	7,597	.23	6,806	.29	791	.08
100. University of Texas—M.D. Anderson Hospital & Tumor Institute	Texas	7,510	.22	7,510	.32	....	....

[a] Main university only.

SOURCE: National Science Foundation (CASE).

of this institution's total, mainly for the construction of new facilities.

Increased funding from NIH enabled other institutions to be ranked in the top 100 for the first time in 1968: University of Texas—Southwestern Medical School (55th), with NIH support increased from $4 million in 1967 to $15 million in 1968; Louisiana State University—Medical Center (76th), from none to $13 million; and Medical College of Georgia (89th), from $2 million in 1967 to $8 million in 1968.

Other new additions to the top 100 list in 1968 included the University of Massachusetts (79th), with increased funding from the Office of Education; the University of Alaska (85th), with greater Department of Defense support; and Louisiana State University—Baton Rouge (88th), with larger obligations from the Department of Agriculture, DOD, and NSF. Utah State University (95th), Virginia Polytechnic Institute (99th), and University of Texas—M. D. Anderson Hospital and Tumor Institute (100th) also ranked in the top 100 for the first time in 1968, due to moderate increases from several agencies.

The Massachusetts Institute of Technology was the largest recipient of Federal funds in 1968 as it was in 1967, although its obligations declined to $90 million from $96 million. Nine of the top 10 recipients were the same institutions as in 1967. Harvard University ranked second, rising from seventh in 1967, with substantial increases from NASA and HEW ($4 million and $5 million, respectively). The University of California—Los Angeles was third, up from eighth in 1967, due primarily to a doubling of nonscience obligations from HEW to $12 million. Stanford University also rose in the ranking list—to fourth place from tenth in 1967—with substantial increases from HEW and DOD, bringing Stanford's total to $59 million. The University of Michigan ranked fifth in 1968, down from second place in 1967, due to a $3-million decrease in obligations from both DOD and NSF. Columbia University (main university only) dropped to seventh position from fourth in 1967; its total support declined by $4 million, reflecting the 55-percent decrease in obligations from DOD. The University of Washington was the new entry in the top 10—it ranked ninth—with substantial increases from NSF and HEW ($7 million and $4 million, respectively). The University of Wisconsin—Madison dropped to tenth position in 1968, from sixth in 1967, with a $3-million decrease in obligations from both NASA and NSF.

The University of Illinois was reclassified as a system during 1968. It ranked third in terms of total Federal obligations in 1967 ($64 million) when it was considered as one institution. With each component reported separately in 1968, the University of Illinois—Urbana ranked 11th, with $48 million in Federal support.

The merger of Case Institute of Technology with Western Reserve University resulted in a considerably higher position in the ranking list than either institution had held previously. Case Western Reserve University received $32 million in Federal obligations in 1968 for a ranking of 19th position; in 1967 Western Reserve University had been 37th, with $23 million in Federal funds, and Case Institute of Technology 116th, with $6 million in obligations.

Notable upward shifts in institutional standings include the following: Ohio State University, from 21st position in 1967 to 16th in 1968, with sizable increases from DOD, HEW, and NSF; the University of Iowa, from 47th to 23rd, with total obligations rising by $12 million due to increases from HEW and NSF; the University of California—San Diego, from 52nd to 24th, with the $10-million increase in total funds from DOD, HEW, and NSF; the University of Oregon, from 40th to 26th, with an increase from HEW; the University of California—San Francisco, from 46th to 28th, with an $8-million increase from HEW; and Florida State University, from 76th to 56th, with a $5-million increase from NSF.

At the same time, there were some downward shifts in standing, reflecting decreases in total Federal obligations. The University of Maryland dropped from 15th in 1967 to 27th place in 1968, with a $10-million decrease due to cuts from HEW and NSF. Other declines were registered by Wayne State University, from 23rd to 77th, with a $16-million drop in Federal support including a $14-million cut by HEW; the University of Arizona, from 25th to 70th, with a $14-million decrease due to HEW; the University of Texas—Austin, from 26th to 52nd, with a $10-million decline due to decreased obligations from HEW and NSF; and Princeton University, from 38th to 59th, with decreases from DOD, NASA, and NSF.

Academic Science Obligations to Individual Universities and Colleges

Academic science obligations include the funds for research and development, R&D plant, and other science activities, such as education in the sciences and science information. A close relationship has developed between the distribution of academic science support and the distribution of degrees awarded in the sciences and engineering because these types of funds are generally awarded to the institutions with the outstanding research facilities and graduate programs. Obligations for research and development constituted three-fifths of the academic science total in 1968, thus influencing the patterns of distribution.

Academic science support totaled $2,340 million in 1968. Of that amount, $2,125 million, representing 91 percent, was obligated to universities and colleges which granted doctoral degrees in the sciences and engineering, including medical doctorates, in the 1963-66 period (table 14). This was a somewhat larger proportion of total funds than these institutions had accounted for in 1967 (under 90 percent). Of the 209 institutions that awarded doctoral degrees during 1963-66, only three did not receive Federal obligations for academic science. In addition to awarding all of the Nation's Ph.D. degrees in the sciences and engineering, these institutions also granted 88 percent of the master's degrees and 55 percent of the bachelor's degrees during 1963-66.

The universities and colleges which granted the master's degrees as the highest level in the sciences and engineering received $98 million in 1968, declining from $117 million in 1967; the share of academic science support decreased to 4 percent. These schools awarded 12 percent of all the master's degrees in the sciences and engineering in 1963-66 and also 23 percent of the bachelor's degrees.

Those institutions which awarded the bachelor's degree as the highest science degree, or no science degree at all, received $117 million in acadmic science obligations in 1968, a decrease of $6 million from 1967. They granted 22 percent of the bachelor's degrees in the sciences and engineering in 1963-66, while accounting for 5 percent of the academic science total in 1968. Besides the baccalaureate schools, this category also consisted of liberal arts colleges, junior colleges, theological schools, and community colleges—they constitute about one-half of the total number of universities and colleges.

Federal funds for academic science were concentrated among the top 100 recipients (table 15). They received $1,881 million in 1968, four-fifths of the total obligation for academic science; this was the same proportion that they received in 1967. Only four institutions appearing in this top-100 list were not also in the top 100 in terms of total Federal obligations: Jefferson Medical College—Philadelphia (96th), University of Denver (97th), Rensselaer Polytechnic Institute (98th), and New York Medical College (100th).

Of the first 100 recipients, the 62 publicly controlled institutions were obligated $1,065 million, which was 45 percent of the U. S. total for academic science in 1968.[5] This was the same proportion of support that the public institutions ranked in the top 100 had received in 1963, while the share accounted for by the privately controlled universities decreased to 35 percent from 42 percent in 1963. This results at least in part from the greater relative growth in enrollments and size of facilities that the public institutions have experienced in recent years. There were substantial differences between the two groups in the percentage of total degrees awarded in the sciences and engineerinig in 1963-66. The public institutions in the top 100 granted 57 percent of the Ph.D. degrees, 45 percent of the master's, 29 percent of the bachelor's, and 39 percent of the M.D.

TABLE 14.—*Federal obligations for academic science to universities and colleges, fiscal year 1968, by level of highest degree conferred in the sciences and engineering, fiscal years 1963-66*

Highest degree awarded in the sciences and engineering, 1963-66	Academic science obligations, 1968		Percent of degrees awarded in the sciences and engineering, by level, 1963-66		
	Amount (millions of dollars)	Percent	Doctor's [a]	Master's [b]	Bachelor's
Total	$2,340.4	100.00	100.00	100.00	100.00
Institutions awarding as their highest degree:					
Doctor's [a]	2,125.3	90.81	100.00	87.51	54.52
Master's [b]	97.7	4.17	....	12.49	23.37
Bachelor's or no science degree	117.4	5.02	....	....	22.11

[a] Includes M.D. and D.D.S. degrees. Also includes academic science obligations to central systems where at least one institution awarded the Ph.D. in the sciences and engineering in 1963-66.

[b] Includes academic science obligations to central systems where at least one institution awarded the master's degree in the sciences and engineering in 1963-66.

NOTE: Separate data for the university systems are shown in appendix table B-6.

SOURCE: National Science Foundation (CASE).

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[5] Institutions are classified according to the type of legal control, not affiliation or support. Data on control were obtained from the Office of Education.

TABLE 15.—*Federal obligations for academic science to the 100 universities and colleges receiving the largest amounts, fiscal year 1968, and percent of degrees awarded, 1963-66*

Institution (in order of academic science obligations)	State	Type of control	Federal obligations		Percent of total degrees awarded, 1963-66			
					Science and engineering, by level			M.D. and D.D.S.
			Amount (thousands of dollars)	Percent of U.S. total	Ph.D.	Master's	Bachelor's	
Total for 100 universities and colleges			$1,880,597	80.35	90.26	68.06	38.74	71.69
1. Massachusetts Institute of Technology	Massachusetts	Private	88,906	3.80	3.22	2.13	.42	....
2. Harvard University	Massachusetts	Private	56,538	2.42	2.41	.92	.45	1.37
3. Stanford University	California	Private	55,898	2.39	2.43	2.12	.50	.51
4. University of Michigan	Michigan	Public	50,392	2.15	2.54	2.41	.98	2.45
5. University of California—Berkeley	California	Public	49,173	2.10	4.09	2.33	1.27	....
6. University of California—Los Angeles	California	Public	48,377	2.07	1.81	1.71	.85	.63
7. Columbia University [a]	New York	Private	46,755	2.00	2.25	1.71	.43	1.31
8. University of Wisconsin—Madison [b]	Wisconsin	Public	44,308	1.89	3.08	2.01	.95	.78
9. University of Minnesota	Minnesota	Public	43,959	1.88	2.38	1.07	1.14	2.16
10. University of Washington	Washington	Public	43,609	1.86	1.43	1.11	.77	1.20
11. University of Illinois—Urbana [c]	Illinois	Public	41,855	1.79	3.64	2.55	1.23	....
12. University of Chicago	Illinois	Private	39,686	1.70	1.63	.75	.18	.60
13. Cornell University	New York	Private	36,827	1.57	2.14	1.07	.71	.79
14. New York University	New York	Private	36,449	1.56	1.69	2.23	.52	2.63
15. Johns Hopkins University	Maryland	Private	35,764	1.53	.94	.27	.26	.76
16. University of Pennsylvania	Pennsylvania	Private	31,018	1.33	1.41	.99	.33	2.24
17. Yale University	Connecticut	Private	29,505	1.26	1.48	.71	.23	.71
18. University of California—San Diego	California	Public	27,324	1.17	.20	.07	....	....
19. Ohio State University	Ohio	Public	26,757	1.14	2.19	1.39	.85	2.56
20. Duke University	North Carolina	Private	25,607	1.09	.84	.29	.27	.79
21. Case Western Reserve University	Ohio	Private	23,653	1.01	.96	.64	.31	1.32
22. University of Maryland	Maryland	Public	23,126	.99	1.09	.60	.58	1.80
23. Michigan State University	Michigan	Public	22,968	.98	1.94	1.35	.78	....
24. University of Colorado	Colorado	Public	22,448	.96	1.00	.72	.48	....
25. Washington University	Missouri	Private	22,253	.95	.57	.39	.25	1.19
26. University of Iowa	Iowa	Public	22,059	.94	.96	.63	.38	1.47
27. University of Pittsburgh	Pennsylvania	Public	20,956	.90	.83	.49	.44	1.65
28. Yeshiva University	New York	Private	20,851	.89	.19	.10	.08	.82
29. Purdue University	Indiana	Public	20,393	.87	2.69	2.22	1.07	....
30. University of Rochester	New York	Private	20,137	.86	.60	.35	.18	.62
31. Indiana University	Indiana	Public	19,297	.82	1.18	.71	.43	2.35
32. University of California—San Francisco	California	Public	19,143	.82	.22	.04	.02	1.62
33. University of Southern California	California	Private	18,509	.79	.56	1.57	.26	1.46
34. University of Tennessee	Tennessee	Public	18,267	.78	.60	.78	.44	2.62
35. University of Miami	Florida	Private	18,159	.78	.18	.15	.29	.71
36. University of North Carolina—Chapel Hill	North Carolina	Public	17,913	.77	.82	.41	.33	1.01
37. University of Florida	Florida	Public	17,381	.74	1.08	.89	.57	.44
38. University of Utah	Utah	Public	17,246	.74	.67	.36	.41	.46
39. California Institute of Technology	California	Private	16,669	.71	1.00	.40	.09	....
40. Pennsylvania State University	Pennsylvania	Public	16,100	.69	1.43	1.13	1.01	....
41. CUNY Mt. Sinai School of Medicine	New York	Public	15,818	.68	....	....	....	....
42. University of Oregon [b]	Oregon	Public	15,708	.67	.47	.32	.31	1.83
43. Rutgers, The State University	New Jersey	Public	15,534	.66	1.11	.81	.75	....
44. University of Georgia	Georgia	Public	15,355	.66	.36	.41	.42	....
45. Baylor University	Texas	Private	15,139	.65	.13	.13	.14	1.52
46. University of Texas—Austin	Texas	Public	15,133	.65	1.76	.77	.74	....
47. Princeton University	New Jersey	Private	15,008	.64	1.46	.59	.23	....
48. Northwestern University	Illinois	Private	14,547	.62	1.27	.73	.31	1.74
49. University of Virginia	Virginia	Public	14,256	.61	.40	.31	.29	.64
50. Florida State University	Florida	Public	14,169	.61	.51	.36	.23	....
51. University of California—Davis	California	Public	14,057	.60	.83	.47	.30	....
52. Oregon State University	Oregon	Public	14,042	.60	.89	.78	.46	....
53. University of Hawaii	Hawaii	Public	13,913	.59	.20	.48	.27	....
54. University of Missouri—Columbia [b]	Missouri	Public	13,540	.58	.83	.80	.47	.68
55. Texas A & M University	Texas	Public	13,415	.57	.90	.71	.47	....

TABLE 15.—*Federal obligations for academic science to the 100 universities and colleges receiving the largest amounts, fiscal year 1968, and percent of degrees awarded, 1963-66*—Continued

Institution (in order of academic science obligations)	State	Type of control	Federal obligations		Percent of total degrees awarded, 1963-66			
			Amount (thousands of dollars)	Percent of U.S. total	Science and engineering, by level			M.D. and D.D.S.
					Ph.D.	Master's	Bachelor's	
56. University of Kentucky	Kentucky	Public	13,384	.57	.26	.41	.27	.52
57. University of Alabama	Alabama	Public	13,012	.56	.16	.33	.34	1.06
58. North Carolina State University—Raleigh	North Carolina	Public	12,756	.55	.81	.66	.56	....
59. Syracuse University	New York	Private	12,491	.53	.66	.69	.41	....
60. Colorado State University	Colorado	Public	12,485	.53	.29	.46	.35	....
61. Tulane University	Louisiana	Private	12,448	.53	.50	.23	.19	1.11
62. University of Kansas	Kansas	Public	11,976	.51	.82	.58	.33	.98
63. Iowa State University	Iowa	Public	11,972	.51	1.97	.75	.56	....
64. Boston University	Massachusetts	Private	11,848	.51	.33	.36	.36	.65
65. Vanderbilt University	Tennessee	Private	11,285	.48	.48	.23	.22	.45
66. University of Nebraska	Nebraska	Public	10,982	.47	.48	.50	.36	1.01
67. George Washington University	District of Columbia	Private	10,879	.46	.22	.61	.22	.83
68. SUNY State University—Buffalo	New York	Public	10,703	.46	.45	.36	.38	1.13
69. Hahnemann Medical College & Hospital	Pennsylvania	Private	9,982	.43	.04	(d)	....	.87
70. Emory University	Georgia	Private	9,739	.42	.13	.11	.15	1.33
71. University of Arizona	Arizona	Public	9,491	.41	.72	.78	.39	....
72. Wayne State University	Michigan	Public	9,440	.40	.50	.57	.38	.88
73. University of Cincinnati	Ohio	Public	9,327	.40	.44	.33	.37	.83
74. University of Texas—Southwestern Medical School	Texas	Public	9,178	.39	....	....	....	.83
75. Louisiana State University—Baton Rouge [b]	Louisiana	Public	9,022	.39	.66	.77	.37	....
76. Temple University	Pennsylvania	Public	8,708	.37	.15	.31	.22	2.33
77. University of Alaska	Alaska	Public	8,678	.37	.03	.08	.03	....
78. University of Oklahoma	Oklahoma	Public	8,608	.37	.68	.77	.36	.88
79. University of Massachusetts	Massachusetts	Public	8,550	.37	.40	.45	.37	....
80. Carnegie Mellon University	Pennsylvania	Private	8,452	.36	.78	.49	.21	....
81. Brown University	Rhode Island	Private	8,417	.36	.73	.36	.23	....
82. Rice University	Texas	Private	8,376	.36	.49	.16	.16	....
83. University of Arkansas	Arkansas	Public	8,209	.35	.18	.51	.28	.88
84. Oklahoma State University	Oklahoma	Public	7,667	.33	.92	1.04	.52	....
85. University of Texas—M.D. Anderson Hospital and Tumor Institute	Texas	Public	7,510	.32	....	....	....	....
86. Kansas State University	Kansas	Public	7,303	.31	.62	.62	.35	....
87. Washington State University	Washington	Public	7,082	.30	.47	.37	.36	....
88. University of Connecticut	Connecticut	Public	7,054	.30	.42	.65	.39	....
89. West Virginia Unversity	West Virginia	Public	6,949	.30	.24	.47	.33	.72
90. Auburn University	Alabama	Public	6,925	.30	.22	.37	.41	....
91. Virginia Polytechnic Institute	Virginia	Public	6,806	.29	.47	.41	.46	....
92. University of Notre Dame	Indiana	Private	6,674	.29	.54	.64	.40	....
93. Mississippi State University	Mississippi	Public	6,574	.28	.13	.35	.28	....
94. University of New Mexico	New Mexico	Public	6,536	.28	.20	.42	.20	....
95. Georgetown University	District of Columbia	Private	6,372	.27	.35	.23	.14	1.79
96. Jefferson Medical College—Philadelphia	Pennsylvania	Private	6,341	.27	.07	.02	....	1.44
97. University of Denver	Colorado	Private	6,206	.27	.06	.17	.15	....
98. Rensselaer Polytechnic Institute	New York	Private	6,141	.26	.63	.88	.35	....
99. Tufts University	Massachusetts	Private	6,121	.26	.08	.10	.25	1.86
100. New York Medical College	New York	Private	6,069	.26	....	.01	....	1.16

[a] Main university only.

[b] Data for science and engineering degrees estimated.

[c] Data for science and engineering degrees for the University of Illinois system included in data for University of Illinois—Urbana.

[d] Less than .005 percent.

SOURCE: National Science Foundation (CASE).

and D.D.S. degrees, while the private institutions awarded 33 percent of the Ph.D. degrees, 24 percent of the master's, 10 percent of the bachelor's, and 33 percent of the M.D. and D.D.S. degrees.

The top-ranking 100 universities and colleges in terms of academic science support in 1968 granted 90 percent of all Ph.D. degrees awarded in the sciences and engineering during the 1963-66 period and also 68 percent of the master's, 39 percent of the bachelor's, and 72 percent of the medical doctorates (table 16). Expanding the number of top recipients to 200 accounts for an addition of only 12 percent of academic science obligations, 9 percent of Ph.D. degrees awarded in the sciences and engineering; the number of master's, bachelor's, and medical doctorates, however, rises by approximately one-fifth of their respective totals. "Other" institutions—a total of 1,828—received 7 percent of the academic science obligations, while granting 13 percent of the master's degrees in the sciences and engineering in 1963-66 and 44 percent of the bachelor's degrees.

R&D Obligations to Individual Universities and Colleges

In 1968 a total of 620 academic institutions received Federal obligations for R&D activities. The number of recipients rose from 573 in 1967 and from 492 in 1963.[6] These funds, however, were highly concentrated among the 100 universities and colleges receiving the largest amounts in 1968, although slightly down from previous years. These institutions received $1,228 million, which was 87 percent of total R&D funding in 1968 (table 17). The top 100 had accounted for 90 percent of total R&D obligations in 1963 and 88 percent in 1967.

TABLE 16.—*Academic science obligations to universities and colleges receiving the largest amounts, ranked in various groups, compared to degrees awarded in the sciences and engineering, various years*

Number of institutions (ranked in order of academic science obligations)	Percent of academic science obligations, FY 1968	Percent of degrees awarded, 1963-66			
		Science and engineering, by level			M.D. and D.D.S.
		Ph. D.	Master's	Bachelor's	
Total, all institutions	100.00	100.00	100.00	100.00	100.00
First 10	22.56	25.65	17.52	7.74	10.41
Second 10	14.13	16.15	10.33	4.56	11.08
Third 10	9.35	10.82	7.48	4.53	9.60
Fourth 10	7.63	7.73	6.44	3.86	10.66
Fifth 10	6.44	7.48	4.42	3.40	5.72
First 50	60.11	67.83	46.19	24.10	47.47
Second 50	20.22	22.43	21.87	14.64	24.22
First 100	80.34	90.26	68.06	38.74	71.69
Second 100	12.25	8.62	19.11	17.00	21.88
First 200	92.59	98.88	87.17	55.74	93.57
All other	7.41	1.12	12.83	44.26	6.43

SOURCE: National Science Foundation (CASE).

Sponsorship of R&D activities varied among the Federal agencies. Funds for research and development in 1968 constituted all of the Department of Defense's obligations to universities and colleges,[7] 99 percent of the Department of the Interior's total, 97 percent of the National Aeronautics and Space Administration's total, and 86 percent of the Atomic Energy Commission's. Even though the Department of Health, Education, and Welfare obligated $543 million for research and development in 1968, an amount larger than of any other agency, the proportion of funds allotted to research and development was the smallest made by any agency—28 percent of the HEW total to universities and colleges.

The 100 top-ranking institutions received at least two-thirds of every agency's obligations for research and development in 1968. The Atomic Energy Commission and the National Aeronautics and Space Administration each obligated 93 percent of their R&D totals to these 100, and the Department of Defense obligated 88 percent. Also the Department of Health, Education, and Welfare and the National Science Foundation support to these 100 universities and colleges represented 88 percent and 84 percent of their respective R&D totals in 1968. Quite naturally this high level of concentration of Federal funds for research and development to the institutions with well established research facilities has coincided with the distribution of Ph.D. degrees awarded in the sciences and engineering. The 95 Ph.D.-granting institutions included among the top 100 in terms of R&D support in 1968 awarded nine-tenths of all Ph.D. degrees in the sciences and engineering during the 1963-66 period.

The composition of the top-100 list was similar to that in previous years. The Massachusetts Institute of Technology was the largest recipient of R&D funds in 1968, as it has been each year since

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[6] In addition, there were 15 administrative offices of systems (central systems) that received Federal obligations for research and development in 1968, 12 in 1967, and 5 in 1963.

[7] In the CASE survey, the Department of Defense reports all of its obligations to universities and colleges as research and development.

TABLE 17.—*Federal obligations for research and development to the 100 universities and colleges receiving the largest amounts, by agency, fiscal year 1968*

[Dollar amounts in thousands]

Institution (in order of R&D obligations)	State	Amount	Percent of U.S. total	Percent of Ph. D. degrees in the sciences and engineering, 1963-66	Department of Agriculture	Atomic Energy Commission	Department of Commerce	Department of Defense	Department of Health, Education, and Welfare	Department of the Interior	National Aeronautics and Space Administration	National Science Foundation	Other[a]
Total for 100 universities and colleges	....	$1,227,863	86.72	89.72	$46,303	$87,529	$5,164	$214,459	$543,033	$18,458	$117,000	$179,200	$16,717
1. Massachusetts Institute of Technology	Mass.	79,776	5.63	3.22	69	4,264	400	27,616	7,113	460	33,277	5,560	1.017
2. Stanford University	Calif.	41,407	2.92	2.43	....	570	18	16,573	14,002	327	4,212	5,601	104
3. Harvard University	Mass.	39,177	2.77	2.41	....	493	395	2,539	22,712	260	8,650	3,895	233
4. University of Michigan	Mich.	37,754	2.67	2.54	234	2,399	100	9,704	15,821	828	3,960	3,228	1,480
5. University of California—Los Angeles	Calif.	36,534	2.58	1.81	....	4,178	10	6,109	16,606	284	4,454	4,078	815
6. Columbia University[b]	N.Y.	34,693	2.45	2.25	....	4,773	43	5,125	16,027	211	1,324	6,759	431
7. University of California—Berkeley	Calif.	34,031	2.40	4.09	2,001	747	100	7,448	10,490	477	7,094	5,253	421
8. University of Wisconsin—Madison	Wis.	30,993	2.19	3.08	1,712	3,106	545	612	16,141	646	1,618	4,552	2,061
9. University of Illinois—Urbana	Ill.	29,804	2.11	3.64	1,486	4,714	5	9,979	7,535	431	700	4,873	81
10. University of Washington	Wash.	27,940	1.97	1.43	123	2,448	95	1,478	14,241	934	663	7,837	121
11. University of Chicago	Ill.	26,956	1.90	1.63	....	4,606	589	1,812	11,013	53	2,358	5,850	675
12. University of Minnesota	Minn.	26,378	1.86	2.38	1,514	1,920	1	2,776	14,199	321	3,152	2,440	55
13. New York University	N.Y.	24,318	1.72	1.69	....	1,966	68	3,519	15,151	174	777	1,980	683
14. University of California—San Diego	Calif.	23,996	1.69	20	....	2,413	65	5,152	4,526	216	2,218	9,406	....
15. Cornell University	N.Y.	23,306	1.65	2.14	1,762	1,452	....	3,537	9,781	404	596	5,631	143
16. Johns Hopkins University	Md.	22,201	1.57	.94	51	1,069	26	2,777	15,815	162	487	1,753	61
17. Yale University	Conn.	19,637	1.39	1.48	....	3,378	....	1,222	11,560	....	540	2,703	234
18. University of Pennsylvania	Pa.	18,414	1.30	1.41	....	372	....	1,778	12,851	140	225	2,513	535
19. Ohio State University	Ohio	16,398	1.16	2.19	1,861	560	....	3,737	6,568	390	600	2,510	172
20. Duke University	N.C.	16,226	1.15	.84	10	891	....	3,153	10,121	6	239	1,754	52
21. Washington University	Mo.	14,928	1.05	.57	....	289	....	1,169	11,840	5	615	1,010	....
22. Case Western Reserve University	Ohio	14,690	1.04	.96	....	1,320	....	1,291	8,546	....	550	2,930	53
23. University of Maryland	Md.	14,253	1.01	1.09	876	1,775	12	2,370	5,127	245	2,110	1,728	10
24. University of Rochester	N.Y.	14,128	1.00	.60	....	4,562	....	1,130	5,611	....	317	2,471	37
25. Michigan State University	Mich.	13,435	.95	1.94	1,370	1,921	....	586	4,007	170	10	5,055	316
26. Yeshiva University	N.Y.	13,418	.95	.19	....	153	....	653	11,644	....	75	809	84
27. California Institute of Technology	Calif.	13,211	.93	1.00	....	2,671	....	2,998	3,024	100	1,874	2,544	....
28. University of Colorado	Colo.	13,067	.92	1.00	....	947	412	2,717	6,217	82	1,060	1,584	48
29. University of Miami	Fla.	13,037	.92	.18	80	319	136	2,598	6,140	463	720	2,482	99
30. University of Pittsburgh	Pa.	13,022	.92	.83	....	460	....	1,409	7,973	248	891	2,041	....
31. University of Southern California	Calif.	12,875	.91	.56	....	517	....	1,792	7,904	86	1,108	1,410	58
32. University of California—San Francisco	Calif.	12,648	.89	.22	....	565	....	235	11,697	....	108	43	....
33. University of Utah	Utah	12,429	.88	.67	2	1,004	....	4,589	5,480	233	273	835	13
34. Purdue University	Ind.	11,617	.82	2.69	1,891	1,138	5	2,592	2,670	178	565	2,548	30
35. Indiana University	Ind.	11,531	.81	1.18	....	194	....	1,195	5,825	6	207	4,054	50

36. Baylor University	Tex.	11,222	.79	.13	40	....	....	224	10,656	....	227	75	....
37. Princeton University	N.J.	10,756	.76	1.46	....	1,178	....	2,174	1,513	....	3,104	2,616	171
38. University of Florida	Fla.	10,460	.74	1.08	1,034	407	....	2,149	4,348	389	596	1,475	62
39. University of Iowa	Iowa	10,325	.73	.96	....	64	....	101	5,111	129	2,189	2,731	....
40. University of Texas—Austin	Tex.	10,309	.73	1.76	....	665	....	5,031	2,888	221	....	1,504	....
41. Florida State University	Fla.	10,209	.72	.51	....	1,196	380	1,314	1,790	129	126	4,807	467
42. University of California—Davis	Calif.	9,927	.70	.83	48	2,289	19	98	5,758	284	398	1,033	....
43. Oregon State University	Oreg.	9,814	.69	.89	1,012	602	....	1,980	2,492	902	57	2,769	....
44. University of Tennessee	Tenn.	9,646	.68	.60	1,673	1,462	....	759	3,629	88	456	1,579	....
45. University of Hawaii	Hawaii	9,168	.65	.20	479	594	56	1,414	3,133	137	1,091	1,925	339
46. Northwestern University	Ill.	9,001	.64	1.27	....	292	....	861	4,906	66	540	2,131	205
47. Rutgers, The Stat University	N.J.	8,900	.63	1.11	833	139	....	1,077	4,264	339	837	1,394	17
48. Colorado State University	Colo.	8,779	,62	.29	888	357	148	1,421	2,490	676	405	1,627	767
49. University of North Carolina—Chapel Hill	N.C.	8,720	.62	.82	....	333	228	531	6,961	163	44	460	....
50. Syracuse University	N.Y.	8,666	.61	.66	....	300	....	4,539	1,848	169	629	951	230
51. Pennsylvania State University	Pa.	8,554	.60	1.43	1,824	525	....	835	2,512	163	776	1,710	209
52. University of Oregon	Oreg.	8,352	.59	.35	2	-410	....	906	5,808	19	142	1,055	10
53. University of Kentucky	Ky.	7,816	.55	.26	2,420	193	404	226	2,636	161	397	951	428
54. Carnegie Mellon University	Pa.	7,575	.54	.78	....	2,086	....	2,844	827	299	209	1,274	36
55. Tulane University	La.	7,557	.53	.50	....	45	....	172	6,489	27	54	541	229
56. Iowa State University	Iowa	7,260	.51	1.97	1,736	198	....	2,532	1,509	296	97	806	86
57. Vanderbilt University	Tenn.	7,190	.51	.48	....	171	....	181	5,144	285	57	1,341	11
58. Texas A. & M. University	Tex.	7,186	.51	.90	2,439	740	....	1,076	819	389	509	1,183	31
59. North Carolina State University—Raleigh	N.C.	7,067	.50	.81	2,364	328	....	551	2,141	192	459	958	74
60. George Washington University	D.C.	6,985	.49	.22	....	20	....	1,740	4,198	....	724	142	161
61. SUNY State University—Buffalo	N.Y.	6,961	.49	.45	....	130	....	1,004	5,069	89	140	370	159
62. Univertsity of Kansas	Kans.	6,953	.49	.82	....	442	....	1,094	3,908	149	299	741	320
63. University of Missouri—Columbia	Mo.	6,824	.48	.83	1,602	65	11	922	3,121	191	255	657	....
64. University of Georgia	Ga.	6,755	.48	.36	1,825	388	....	402	1,257	221	44	2,618	....
65. University of Virginia	Va.	6,679	.47	.40	....	355	....	1,070	3,314	21	933	971	15
66. Rice University	Tex.	6,674	.47	.49	....	866	....	433	492	57	3,980	846	....
67. University of Alabama	Ala.	6,594	.47	.16	....	....	....	360	5,411	29	561	233	....
68. University of Arizona	Ariz.	6,166	.44	.72	863	444	....	636	964	543	1,109	1,425	182
69. University of Texas—M. D. Anderson Hospital & Tumor Institute	Tex.	6,147	.43	....	....	68	....	40	5,691	....	186	162	....
70. University of Alaska	Alaska	6,101	.43	.03	531	214	412	2,668	531	253	173	1,300	19
71. Emory University	Ga.	5,783	.41	.13	....	69	....	57	4,754	....	270	186	447
72. Brown University	R.I.	5,628	.40	.73	....	768	....	1,057	2,233	....	197	1,373	....
73. CUNY Mt. Sanai School of Medicine	N.Y.	5,586	.39	....	....	....	....	....	5,555	....	....	31	....
74. University of Cincinnati	Ohio	5,352	.38	.44	....	40	....	1,522	3,074	120	171	425	....
75. University of New Mexico	N. Mex.	5,137	.36	.20	2	61	....	2,353	1,281	21	811	522	86
76. Temple University	Pa.	5,041	.36	.15	....	138	....	302	3,803	40	178	221	359
77. Louisiana State University—Baton Rouge	La.	4,892	.35	.66	1,475	125	....	1,564	828	116	400	384	....
78. University of Massachusetts	Mass.	4,876	.34	.40	727	176	....	611	1,229	486	262	1,370	15
79. University of Denver	Colo.	4,783	.34	.06	....	92	29	2,978	425	117	479	648	15
80. Boston University	Mass.	4,760	.34	.33	....	28	....	288	3,840	....	26	200	378
81. University of Nebraska	Nebr.	4,641	.33	.48	1,176	115	10	73	2,725	129	....	413	....
82. New Mexico State University	N. Mex.	4,603	.33	.14	643	....	....	894	340	212	2,332	182	....
83. Wayne State University	Mich.	4,602	.33	.50	....	152	....	277	3,501	44	....	471	157
84. Georgia Institute of Technology	Ga.	4,575	.32	.37	....	309	211	2,361	483	283	546	301	81
85. University of Notre Dame	Ind.	4,557	.32	.54	....	1,412	....	1,535	804	139	170	480	17

TABLE 17.—*Federal obligations for research and development to the 100 universities and colleges receiving the largest amounts, by agency, fiscal year 1968*—Continued

[Dollar amounts in thousands]

Institution (in order of R&D obligations)	State	Amount	Percent of U.S. total	Percent of Ph. D. degrees in the sciences and engineering, 1963-66	Department of Agriculture	Atomic Energy Commission	Department of Commerce	Department of Defense	Department of Health, Education, and Welfare	Department of the Interior	National Aeronautics and Space Administration	National Science Foundation	Other[a]
86. University of Oklahoma	Okla.	4,276	.30	.68	....	79	172	1,099	1,785	163	100	487	391
87. Rensselaer Polytechnic Institute	N.Y.	4,085	.29	.63	....	1,127	....	1,067	311	28	631	843	78
88. Rockefeller University	N.Y.	4,014	.28	.14	....	68	....	48	3,423	....	....	475	....
89. University of Texas—Southwestern Medical School	Tex.	3,948	.28	....	....	....	....	53	3,721	....	174	....	....
90. University of Dayton	Ohio	3,924	.28	....	....	....	10	3,805	79	....	....	30	....
91. Oklahoma State University	Okla.	3,906	.28	.92	1,213	22	....	1,422	661	228	130	230	....
92. SUNY Downstate Medical Center	N.Y.	3,864	.27	.04	....	....	....	....	3,864	....	....	....	....
93. Dartmouth College	N.H.	3,843	.27	.03	....	33	....	730	1,603	....	396	1,081	....
94. Kansas State University	Kans.	3,841	.27	.62	970	91	....	1,397	711	142	55	424	51
95. Washington State University	Wash.	3,839	.27	.47	1,159	266	....	221	1,200	200	18	775	....
96. Georgetown University	D.C.	3,793	.27	.35	....	121	....	815	2,615	....	....	242	....
97. University of Arkansas	Ark.	3,622	.26	.18	1,310	107	....	1	1,700	176	70	258	....
98. New York Medical College	N.Y.	3,599	.25	....	....	18	....	98	3,408	....	....	75	....
99. Brandeis University	Mass.	3,514	.25	.29	....	334	....	265	1,810	16	75	793	221
100. West Virginia University	W. Va.	3,453	.24	.24	973	58	49	231	1,661	182	79	199	21

[a] Includes Office of Economic Opportunity, the Departments of Housing and Urban Development, Labor, and Transportation.

[b] Main university only.

SOURCE: National Science Foundation (CASE).

1963; it received $80 million in 1968, three-fourths of which was obligated by DOD and NASA, and ranked third in terms of the percent of Ph.D. degrees awarded in the sciences and engineering during 1963-66. Within the top 10, the University of Washington was a new entry in 1968 with sizable increases from HEW and NSF offsetting a 50-percent decrease from DOD. The University of Illinois—Urbana received $30 million in R&D obligations in 1968, ranking ninth; in 1967, before each component was reported as a separate institution, the University of Illinois was reported receiving $34 million, ranking it fifth among the leading recipients of Federal R&D obligations.

Case Western Reserve University stood considerably higher in terms of R&D support because of the merger than either institution had before. In 1968 it received $15 million, placing it in 22nd position; in 1967 Western Reserve University received $10 million, ranking 40th, and Case Institute of Technology received $5 million, ranking 77th. Other new entries in the top-100 list in 1968 included CUNY Mt. Sinai School of Medicine (73rd) in its first year of Federal support, Louisiana State University—Baton Rouge (77th), Georgia Institute of Technology (84th), University of Texas—Southwestern Medical School (89th), and Georgetown University (96th).

The high level of concentration of Federal R&D obligations among the larger recipients is further demonstrated by table 18. The first 10 institutions in terms of Federal R&D funds accounted for more than one-fourth of total R&D funding in universities and colleges and two-fifths of obligations for R&D plant. The first 50 institutions were reported receiving over two-thirds of R&D obligations and more than four-fifths of R&D plant funds. R&D projects of no more than 200 institutions absorbed 98 percent and 99 percent of Federal R&D and R&D plant obligations, respectively. A wider distribution of the R&D funds existed in each of the ranking groupings in 1968 than in 1967, yet the concentration was greater than that of academic science support.

Table 18 also illustrates the striking similarity in the distribution of Federal R&D obligations and Ph.D. degrees awarded by the leading recipients of R&D funds. Beginning with the first 10 institutions and continuing down the table, there is never more than 3 percentage points separating R&D obligations and Ph.D. degrees awarded.

Although obligations for research and development comprised a smaller share of total Federal funds to universities and colleges in 1968 (42 percent) than in 1963 (59 percent), they comprised the major portion of the total Federal support to the top recipients of R&D funding. Except for Ohio State University, none of the first 20 institutions received R&D obligations amounting to less than one-half of the total amount obligated by Federal agencies for all activities at each institution. Furthermore, only 12 of the first 50 universities and colleges shown in table 19 show research and development as less than one-half of total Federal program obligations. The range of Federal R&D obligations as a percent of an insti-

TABLE 18.—*Federal obligations for research and development and R&D plant to universities and colleges receiving the largest amounts, ranked in various groups, compared to degrees awarded in the sciences and engineering, various years*

Number of institutions (ranked in order of R&D obligations)	Percent of R&D obligations, FY 1968	Percent of R&D plant obligations, FY 1968	Percent of degrees awarded, 1963-66			
			Science and engineering, by level			M.D. and D.D.S.
			Ph.D.	Master's	Bachelor's	
Total, all universities	100.00	100.00	100.00	100.00	100.00	100.00
First 10	27.69	39.39	26.90	19.00	7.83	8.25
Second 10	15.39	16.20	14.90	8.86	4.47	13.23
Third 10	9.69	11.82	8.36	5.17	3.47	8.83
Fourth 10	8.06	8.84	10.69	7.91	4.24	9.32
Fifth 10	6.56	6.26	6.90	5.60	3.56	5.36
First 50	67.39	82.51	67.76	46.53	23.58	45.00
Second 50	19.31	12.59	21.68	20.25	14.34	24.28
First 100	86.70	95.10	89.43	66.77	37.92	69.28
Second 100	11.07	3.75	8.71	18.62	16.85	25.76
First 200	97.76	98.85	98.14	85.40	54.77	95.04
All other	2.24	1.15	1.86	14.60	45.23	4.96

SOURCE: National Science Foundation (CASE).

TABLE 19.—*Research and development and R&D plant obligations as a percent of total Federal obligations for each of the 100 universities and colleges receiving the largest amounts, fiscal year 1968*

Institution (in order of R&D obligations)	State	R&D obligations as a percent of institution's total obligations	R&D plant obligations as a percent of institution's total obligations
1. Mass. Institute of Tech.	Mass.	88.55	1.94
2. Stanford Univ.	Calif.	70.57	2.69
3. Harvard Univ.	Mass.	64.92	6.29
4. Univ. of Mich.	Mich.	66.64	.75
5. Univ. of Cal.—Los Angeles	Calif.	60.82	.60
6. Columbia Univ.[a]	N. Y.	66.25	2.06
7. Univ. of Cal.—Berkeley	Calif.	62.53	2.17
8. Univ. of Wis.—Madison	Wis.	62.85	1.95
9. Univ. of Ill.—Urbana	Ill.	62.45	2.67
10. Univ. of Wash.	Wash.	55.57	5.63
11. Univ. of Chicago	Ill.	62.68	5.29
12. Univ. of Minn.	Minn.	50.54	2.26
13. N. Y. Univ.	N. Y.	56.03	.76
14. Univ. of Calif.—San Diego	Calif.	82.99	.62
15. Cornell Univ.	N. Y.	58.90	8.19
16. Johns Hopkins Univ.	Md.	57.83	1.01
17. Yale Univ.	Conn.	61.57	4.24
18. Univ. of Pa.	Pa.	52.09	4.07
19. Ohio State Univ.	Ohio	45.71	2.76
20. Duke Univ.	N. C.	56.80	9.00
21. Washington Univ.	Mo.	60.53	....
22. Case Western Reserve Univ.	Ohio	45.26	2.67
23. Univ. of Md.	Md.	51.03	7.63
24. Univ. of Rochester	N. Y.	54.44	2.32
25. Mich. State Univ.	Mich.	42.58	5.52
26. Yeshiva Univ.	N. Y.	59.60	....
27. Calif. Inst. of Tech.	Calif.	78.04	6.50
28. Univ. of Colo.	Colo.	49.77	3.50
29. Univ. of Miami	Fla.	62.83	2.22
30. Univ. of Pittsburgh	Pa.	53.38	.99
31. Univ. of Southern Calif.	Calif.	55.05	.73
32. Univ. of Calif.—San Francisco	Calif.	45.78	.17
33. Univ. of Utah	Utah	54.70	.34
34. Purdue Univ.	Ind.	46.42	5.78
35. Ind. Univ.	Ind.	35.67	6.37
36. Baylor Univ.	Tex.	66.50	.08
37. Princeton Univ.	N. J.	65.04	8.60
38. Univ. of Fla.	Fla.	48.12	1.92
39. Univ. of Iowa	Iowa	32.96	17.79
40. Univ. of Tex.—Austin	Tex.	58.51	6.37
41. Fla. State Univ.	Fla.	60.25	.66
42. Univ. of Calif.—Davis	Calif.	64.57	8.48
43. Oreg. State Univ.	Oreg.	60.44	.93
44. Univ. of Tenn.	Tenn.	40.85	.91
45. Univ. of Hawaii	Hawaii	51.34	7.39
46. Northwestern Univ.	Ill.	51.38	4.16
47. Rutgers, The State Univ.	N. J	47.79	4.89
48. Colo. State Univ.	Colo.	55.40	.67
49. Univ. of N. C.—Chapel Hill	N. C.	40.17	.22
50. Syracuse Univ.	N. Y.	53.84	4.00
51. Pa. State Univ.	Pa.	42.56	1.23
52. Univ. of Oreg.	Oreg.	29.73	3.75
53. Univ. of Ky.	Ky.	43.61	.47
54. Carnegie Mellon Univ.	Pa.	80.46	1.12
55. Tulane Univ.	La.	51.57	.27
56. Iowa State Univ.	Iowa	49.56	.95
57. Vanderbilt Univ.	Tenn.	49.33	2.02
58. Tex. A&M Univ.	Tex.	48.85	3.07
59. N. C. State Univ.—Raleigh	N. C.	50.78	2.52
60. George Washington Univ.	D. C.	52.38	.37
61. SUNY State Univ.—Buffalo	N. Y.	49.90	....
62. Univ. of Kans.	Kans.	40.65	1.53
63. Univ. of Mo.—Columbia	Mo.	31.03	3.06
64. Univ. of Ga.	Ga.	34.06	8.69
65. Univ. of Va.	Va.	33.17	14.19
66. Rice Univ.	Tex.	74.82	.80
67. Univ. of Ala.	Ala.	35.19	.46
68. Univ. of Ariz.	Ariz.	43.97	3.93
69. Univ. of Tex.—M.D. Anderson Hosp. Tumor Inst.	Tex.	81.85	3.01
70. Univ. of Alaska	Alaska	63.79	14.95
71. Emory Univ.	Ga.	50.49	....
72. Brown Univ.	R. I.	59.80	.42
73. CUNY Mount Sinai School of Medicine	N. Y.	16.57	23.57
74. Univ. of Cincinnati	Ohio	47.35	1.51
75. Univ. of N. Mex.	N. Mex.	36.87	.13
76. Temple Univ.	Pa.	37.83	.19
77. La. State Univ.—Baton Rouge	La.	52.19	10.44
78. Univ. of Mass.	Mass.	42.65	.38
79. Univ. of Denver	Colo.	65.98	.11
80. Boston Univ.	Mass.	29.03	.72
81. Univ. of Nebr.	Nebr.	32.22	5.10
82. N. Mex. State Univ.	N. Mex.	65.00	.31
83. Wayne State Univ.	Mich.	35.54	.13
84. Ga. Inst. of Tech.	Ga.	73.87	.79
85. Univ. of Notre Dame	Ind.	59.47	7.66
86. Univ. of Okla.	Okla.	23.04	.38
87. Rensselaer Polytechnic Inst.	N. Y.	61.86	10.28
88. Rockefeller Univ.	N. Y.	78.51	1.62
89. Univ. of Tex.—Southwestern Medical School	Tex.	23.27	11.16
90. Univ. of Dayton	Ohio	76.03	.08
91. Okla. State Univ.	Okla.	39.74	.25
92. SUNY Downstate Med. Ctr.	N. Y.	59.85	....
93. Dartmouth College	N. H.	68.83	.86
94. Kans. State Univ.	Kans.	44.43	7.71
95. Wash. State Univ.	Wash.	43.67	6.02
96. Georgetown Univ.	D. C.	47.21	.49
97. Univ. of Ark.	Ark.	33.52	.67
98. N. Y. Medical College	N. Y.	52.05	....
99. Brandeis Univ.	Mass.	54.21	.28
100. W. Va. Univ.	W. Va.	34.42	.84

[a] Main university only.

SOURCE: National Science Foundation (CASE).

tution's total Federal obligations extends from 86 percent for the Massachusetts Institute of Technology to 17 percent at the new CUNY Mt. Sinai School of Medicine.

In terms of R&D plant funding, CUNY Mt. Sinai School of Medicine was the leading recipient, with $8 million in 1968. That amount accounted for 24 percent of the institution's Federal support, and it represented 8 percent of total obligations for R&D plant to all universities and colleges. There were 492 academic institutions receiving this type of support in 1968, a decline from the 631 recipients in 1967; in 1963 a total of 123 received R&D plant funding.

Federal Obligations to 2-Year Institutions

The 2-year institutions in this section are those designated in the *Education Directory, 1968-69: Part 3, Higher Education*, published by the Office of Education, as offering "2 but less than 4 years" as the highest level of degree program. They are included in the data for total Federal obligations in other parts of this report, and they appear in appendix table B-6 with the total amounts received, by agency, in 1968.

Federal obligations to 2-year institutions decreased to $120 million in 1968 from over $122 million in 1967 (table 20). While the amount of support decreased, the number of junior colleges receiving funds increased to 719 from 640 in 1967.[8] Institutions in all but two States received support.

Academic science obligations declined slightly to $22 million from $24 million in 1967. They represented 18 percent of total Federal support to the 2-year institutions, a little less than the 20 percent for which they accounted in 1967. Within academic science, obligations for the three types of support were as follows:

Type of academic science support	*(Thousands of dollars)* 1967	1968
Total	$24,263	$21,386
Research and development	1,239	1,606
R&D plant	109	64
Other science	22,915	19,702

Support for nonscience activities rose by $700 thousand, reaching nearly $99 million. It accounted for 82 percent of the total.

The South Atlantic division remained the leading recipient of Federal funds to 2-year institutions—over $21 million, with 131 junior colleges sharing in this support. The institutions in the East North Central division showed the biggest gain in Federal funds, rising by 20 percent to $20 million in 1968. The Pacific division received $17 million, an increase of 11 percent from 1967; 2-year institutions in California accounted for $12 million.

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[8] In addition, five central systems received $788 thousand in Federal obligations in 1968. Three central systems received $1.2 million in 1967.

TABLE 20.—*Geographic distribution of Federal obligations to 2-year institutions, by type of program, fiscal years 1967 and 1968*

[Dollar amounts in thousands]

Division and State	Number of institutions receiving support		Total Federal obligations		Academic science obligations		Nonscience activities	
	1967	1968	1967	1968	1967	1968	1967	1968
United States, total	640	719	122,289	120,355	24,263	21,594	98,026	98,761
New England	44	53	8,717	5,851	2,682	1,326	6,035	4,525
Maine	—	—	—	—	—	—	—	—
New Hampshire	1	2	13	340	1	38	12	302
Vermont	3	3	622	329	142	43	480	286
Massachusetts	30	32	6,725	3,375	2,306	898	4,419	2,477
Rhode Island	3	3	738	890	109	143	629	747
Connecticut	7	13	619	917	124	204	495	713
Middle Atlantic	78	89	18,942	19,510	3,658	3,430	15,284	16,080
New York	49	52	12,189	11,060	2,514	2,019	9,675	9,041
New Jersey	11	14	3,025	2,587	465	418	2,560	2,169
Pennsylvania	18	23	3,728	5,863	679	993	3,049	4,870
East North Central	75	92	15,827	19,119	3,075	3,473	12,752	15,646
Ohio	5	6	373	525	40	118	333	407
Indiana	1	2	581	1,049	101	158	480	891
Illinois	26	36	6,745	7,223	1,327	1,358	5,418	5,865
Michigan	30	32	7,233	9,505	1,329	1,535	5,904	7,970
Wisconsin	13	16	895	817	278	304	617	513
West North Central	79	85	14,039	9,929	2,304	1,601	11,735	8,328
Minnesota	17	20	2,020	2,216	315	320	1,705	1,896
Iowa	15	17	2,522	2,319	408	470	2,114	1,849
Missouri	15	16	3,918	2,797	767	443	3,151	2,354
North Dakota	5	5	226	926	39	125	187	801
South Dakota	1	1	436	13	1	2	435	11
Nebraska	5	5	1,096	392	182	54	914	338
Kansas	21	21	3,821	1,266	592	187	3,229	1,079
South Atlantic	108	131	21,463	21,482	4,323	4,116	17,140	17,366
Delaware	1	3	14	1,138	3	520	11	618
Maryland	13	14	2,523	3,799	411	836	2,112	2,963
District of Columbia	2	3	16	193	4	113	12	80
Virginia	9	14	2,332	2,943	474	328	1,858	2,615
West Virginia	2	3	51	442	12	114	39	328
North Carolina	25	36	5,875	4,491	1,262	775	4,613	3,716
South Carolina	11	14	2,108	1,573	455	229	1,653	1,344
Georgia	17	16	3,121	1,734	647	183	2,474	1,551
Florida	28	28	5,423	5,369	1,055	1,018	4,368	4,351
East South Central	55	56	10,384	11,876	2,224	1,883	8,160	9,993
Kentucky	6	6	671	901	181	71	490	830
Tennessee	10	11	687	2,042	206	274	481	1,768
Alabama	16	17	5,432	3,850	1,176	619	4,256	3,231
Mississippi	23	22	3,594	5,083	661	919	2,933	4,164
West South Central	63	61	11,620	10,371	2,088	1,763	9,532	8,608
Arkansas	6	6	362	228	56	47	306	181
Louisiana	1	1	996	1,504	148	362	848	1,142
Oklahoma	13	12	1,867	1,961	288	165	1,579	1,796
Texas	43	42	8,395	6,678	1,596	1,189	6,799	5,489
Mountain	26	27	4,771	3,454	829	478	3,942	2,976
Montana	2	1	42	89	10	30	32	59
Idaho	2	3	811	461	128	80	683	381
Wyoming	6	5	202	545	45	68	157	477
Colorado	6	7	1,547	910	320	130	1,227	780
New Mexico	1	1	222	61	24	6	198	55
Arizona	6	7	1,290	1,240	216	151	1,074	1,089
Utah	3	3	657	148	86	13	571	135
Nevada	—	—	—	—	—	—	—	—
Pacific	110	123	15,716	17,398	2,952	3,175	12,764	14,223
Washington	20	22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Oregon	19	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
California	70	83	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Alaska	1	1	20	58	3	5	17	53
Hawaii	—	1	—	60	—	—	—	60
Puerto Rico, Virgin Islands and Guam	2	2	810	1,365	128	349	682	1,016

SOURCE: National Science Foundation [illegible]

V. Federally Funded Research and Development Centers Administered by Universities and Colleges

THIS SECTION includes separate data on Federally Funded Research and Development Centers (FFRDC's) managed by universities and colleges. These centers, formerly known as Federal Contract Research Centers, are organizationally distinct from the administering universities. They typically receive most of their funds from the Federal Government for conduct of R&D activities that are considered to extend beyond the capabilities of an individual academic institution.*

The impact of an FFRDC on university functions and university personnel is largely dependent upon the extent to which the FFDRC's engage in the following types of cooperative activities with the universities:

1) Employment of faculty members and students as staff of the FFRDC, through joint appointments, temporary assignments, or summer employment programs.
2) Availability of the center's research facilities to faculty, students, and visiting scientists for their own research projects.
3) Opportunity given to teachers and students to combine their own academic research with the research conducted for the center.
4) Conduct of other cooperative programs, including training programs for future scientists and engineers.

Support by Agency and Institution

Federal obligations to FFRDC's administered by universities and colleges reached a new high of $945 million in FY 1968 (table 21). Of this amount, $941 million was allocated to research, development, and R&D plant. The remaining $4 million went into other science activities, consisting mostly of training programs sponsored by the Atomic Energy Commission.

Five agencies provided major financial support to academically associated FFRDC's—the Atomic Energy Commission, the Department of Defense, the Department of Health, Education, and Welfare, the National Aeronautics and Space Administration, and the National Science Foundation. As table 22 shows, the primary agency sponsors in 1968 were AEC, NASA, and DOD. Together, they allocated $902 million, more than 95 percent of all Federal dollars to FFRDC's in 1968. Of these three agencies, the largest single contributor was the Atomic Energy Commission, which awarded more than 50 percent of total R&D support, more than 90 percent of total R&D plant funds, and virtually all of the "other science" obligations.

AEC's relatively high share of total R&D plant funds can be attributed to two important factors:

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* For a more detailed definition, see *Technical Notes*, page [illegible].

TABLE 21.—*Federal obligations to Federally Funded Research and Development Centers administered by universities and colleges, fiscal years 1963-68*

Location and name	Federal obligations (thousands of dollars)						Sponsoring agency	Administered by—
	1963	1964	1965	1966	1967	1968		
Total	$814,082	$862,353	$895,287	$917,631	$907,549	$945,375		
Arizona:								
Kitt Peak National Observatory [a]	3,750	4,400	6,915	5,791	5,485	12,475	NSF	Association of Universities for Research in Astronomy, Inc.
Cerro Tololo Inter-American Observatory (Chile) [a]	1,100	1,100	1,465	1,471	1,713	2,325	NSF	Association of Universities for Research in Astronomy, Inc.
California:								
Jet Propulsion Laboratory [b]	230,168	226,194	245,094	230,091	222,169	206,074	NASA	Calif. Institute of Technology
Stanford Linear Accelerator Center	16,193	24,122	43,943	50,969	30,891	28,996	AEC	Stanford University
Lawrence Radiation Laboratory	162,854	169,424	156,254	169,870	174,661	184,500	AEC	University of California
Center for Research and Development in Higher Education	----	----	----	----	849	1,459	HEW(OE)	University of California
Center for the Study of the Evaluation of Instructional Program	----	----		----	534	868	HEW(OE)	University of California
Stanford Center for Research and Development in Teaching	----	----	----	----	797	1,597	HEW(OE)	Stanford University
Colorado:								
National Center for Atmospheric Research [a]	6,019	10,036	8,941	11,791	16,576	14,679	NSF	University Corporation for Atmospheric Research
District of Columbia:								
Center for Research in Social Systems	947	934	1,843	1,808	1,936	1,618	DOD(Army)	American University
Georgia:								
Research and Development Center in Educational Stimulation	----	----	----	----	732	1,294	HEW(OE)	University of Georgia
Illinois:								
Argonne National Laboratory [a]	74,947	84,507	86,329	87,255	97,262	113,178	AEC	Univ. of Chicago and Argonne Universities Association
Coordination Center for the National Program in Early Childhood Education	----	----	----	----	----	1,562	HEW(OE)	University of Illinois
National Accelerator Laboratory [a]	----	----	----	----	----	3,377	AEC	University Research Assn.
Iowa:								
Ames Laboratory	6,549	7,360	8,404	9,089	9,371	9,891	AEC	Iowa State University of Science and Technology
Maryland:								
Applied Physics Laboratory	42,096	49,124	54,097	52,491	47,172	49,719	DOD(Navy)	Johns Hopkins University
Center for the Study of Social Organization of Schools and Learning Process	----	----	----	----	----	742	HEW(OE)	Johns Hopkins University
Massachusetts:								
Cambridge Electron Accelerator	5,946	9,717	9,851	6,130	6,786	6,290	AEC	Harvard University
	2,632	3,424	3,702	3,517	3,596	4,658		Mass. Institute of Technology
Lincoln Laboratory	70,636	78,764	68,683	64,060	66,000	62,319	DOD (Air Force)	Mass. Institute of Technology
Center for Research and Development in Educational Differences [b]	----	----	----	1,112	1,169	----	HEW(OE)	Harvard University
New Jersey:								
Plasma Physics Laboratory	7,542	8,268	6,997	6,556	6,572	7,446	AEC	Princeton University
Princeton-Pennsylvania Accelerator	6,224	[illegible]	7,821	[illegible]	7,071	7,780	AEC	Princeton University
	601	1,796	1,082	1,801	1,775	2,018		University of Pennsylvania
New Mexico:								
Los Alamos Scientific Laboratory	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	AEC	University of California
New York:								
Brookhaven National Laboratory [a]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	AEC	Associated Universities, Inc.
Hudson Laboratory	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	DOD(Navy)	Columbia University
Oregon:								
Center for the Advanced Study of Educational Administration	----	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	HEW(OE)	University of Oregon
Pennsylvania:								
Ordnance Research Laboratory	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	DOD(Navy)	Pennsylvania State University
Learning Research and Development Center	----	----	[illegible]	[illegible]	[illegible]	[illegible]	HEW(OE)	University of Pittsburgh
Tennessee:								
Oak Ridge Associated Universities [a]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	AEC	Oak Ridge Associated Universities

TABLE 21.—*Federal obligations to Federally Funded Research and Development Centers administered by universities and colleges, fiscal years 1963-68*—Continued

Location and name	Federal obligations (thousands of dollars)						Sponsoring agency	Administered by—
	1963	1964	1965	1966	1967	1968		
Texas:								
Research and Development Center in Teacher Education	....	....	....	....	763	1,190	HEW(OE)	University of Texas
Virginia:								
Center for Naval Analyses [e]	....	....	....	....	....	8,838	DOD(Navy)	University of Rochester
Human Resources Research Office	2,794	3,081	3,382	2,752	2,853	1,645	DOD(Army)	George Washington University
Space Radiation Effects Laboratory	....	....	....	729	1,815	586	NASA	College of William and Mary
Washington:								
Applied Physics Laboratory	3,200	2,275	2,178	5,145	2,836	3,192	DOD(Navy)	University of Washington
West Virginia:								
National Radio Astronomy Observatory [a]	4,550	4,600	3,380	4,719	5,062	4,865	NSF	Associated Universities, Inc.
Wisconsin:								
Army Mathematics Research Center	1,050	1,100	1,273	1,390	1,378	1,300	DOD(Army)	University of Wisconsin
Center for Research and Development for Learning and Re-Education	....	....	500	808	1,034	1,688	HEW(OE)	University of Wisconsin

[a] One of seven administered by university consortia.

[b] Includes amounts subcontracted principally to industrial firms for performance, as follows: 1963, $107 million; 1964, $145 million; 1965, $163 million; 1966, $144 million; 1967, $119 million; 1968, $108 million.

[c] Administered by both university and consortium.

[d] Discontinued July 1, 1967.

[e] Prior to the reassignment of administrative responsibilities to the University of Rochester in FY 1968, this center was administered by the Franklin Institute, an independent nonprofit research institute. Since the tables show only data for those years in which the centers were administered by universities and colleges, Federal obligations before 1968 were omitted.

SOURCE: National Science Foundation (CASE).

(1) AEC must maintain a high level of R&D plant funding in order to expand vital research programs involving the use of costly nuclear reactors and high energy accelerators in its 11 laboratories associated with universities and colleges; moreover, AEC funding for R&D plant in the next few years will be boosted further by the amount of funds required for continued growth of new nuclear research centers, including the construction of the 200-Bev Proton Accelerator Laboratory in Batavia, Illinois. (2) NASA's R&D plant funding has dropped from a level of more than $21 million in 1965 to less than $1 million in 1968, largely as a result of the completion of work on R&D facilities for the manned lunar landing program conducted at the Jet Propulsion Laboratory.

Between 1967 and 1968, AEC augmented its FFRDC support by $38 million (7 percent). Although this was the largest dollar increase among the agencies, it did not represent the biggest percentage rise. By starting from a relatively low base of $7.9 million in 1967 and by adding another $4.6 million in 1968, HEW registered a 58-percent gain, the highest percentage rise among the five sponsoring agencies. The only decline in an agency's total support from 1967 to 1968 was $14 million, or 6-percent drop in the amounts reported by the National Aeronautics and Space Administration.

The most significant institutional variations affecting the $38 million net increase from 1967 to 1968 were the following:

	(Millions of dollars)
Argonne National Laboratory	+ $16
Lawrence Radiation Laboratory	+ 10
Center for Naval Analyses [a]	+ 9
Los Alamos Scientific Laboratory	+ 7
Kitt Peak National Observatory	+ 7
National Accelerator Laboratory	+ 3
Jet Propulsion Laboratory	— 16
Lincoln Laboratory	— 5

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[a] Data for years prior to 1968 were not reported. See footnote e at the end of table 21.

Some of the increases were almost entirely in one category of support. For example, of the $26 million total growth for Argonne National Laboratory and Lawrence Radiation Laboratory, $23 million were classified as research and development. On the other hand, all but $0.6 million of the $14 million in additional support to Los Alamos Scientific Laboratory and Kitt Peak National Observatory were allocated for R&D plant. These four changes accounted for the major portion of the net R&D and R&D plant growth ($27 million and $12 million, respectively) for all FFRDC's from 1967 to 1968.

Support of FFRDC's in 1968 also varied widely in average level of funding, by agency. For example, the

TABLE 22.—*Federal obligations to Federally Funded Research and Development Centers administered by universities and colleges, by agency, institution, and type of support, fiscal year 1968*

[Thousands of dollars]

Agency and institution	Location	Total Federal obligations	Research and development	R&D plant	Other science	Administered by—
United States, total		$945,375	$827,590	$113,779	$4,006	
Atomic Energy Commission		549,068	442,083	102,980	4,005	
Ames Laboratory	Iowa	9,891	8,044	1,584	263	Iowa State Univ.
Argonne National Laboratory	Ill.	113,178	86,922	25,426	1,030	Univ. of Chicago and Argonne Universities Association
Brookhaven National Laboratory	N. Y.	66,769	48,291	18,252	226	Associated Universities Inc.
Cambridge Electron Accelerator	Mass.	10,948	8,057	2,891	....	Massachusetts Institute of Technology, Harvard Univ.
Lawrence Radiation Laboratory	Calif.	184,500	159,527	24,890	83	Univ. of California
Los Alamos Scientific Laboratory	N. Mex.	109,386	91,783	17,603	....	Univ. of California
National Accelerator Laboratory	Ill.	3,377	1,263	2,114	....	University Research Association
Oak Ridge Associated Universities	Pa.	4,770	2,172	195	2,403	Oak Ridge Associated Universities
Plasma Physics Laboratory	N. J.	7,446	6,879	567	....	Princeton Univ.
Princeton-Pennsylvania Accelerator	N. J.	9,807	7,924	1,883	....	Univ. of Pennsylvania and Princeton Univ.
Stanford Linear Accelerator Center	Calif.	28,996	21,421	7,575	....	Stanford Univ.
Department of Defense		142,847	142,847	....	....	
Army		4,563	4,563	....	....	
Army Mathematics Center	Wis.	1,300	1,300	....	....	Univ. of Wisconsin
Center for Research in Social Systems	D.C.	1,618	1,618	....	....	American Univ.
Human Resources Research Office	D. C.	1,645	1,645	....	....	George Washington Univ.
Navy		75,920	75,920	....	....	
Applied Physics Laboratory	Md.	49,719	49,719	....	....	Johns Hopkins Univ.
Applied Physics Laboratory	Wash.	3,192	3,192	....	....	Univ. of Washington
Center for Naval Analyses	Va.	8,838	8,838	....	....	Univ. of Rochester
Hudson Laboratory	N. Y.	4,800	4,800	....	....	Columbia Univ.
Ordnance Research Laboratory	Pa.	9,371	9,371	....	....	Pennsylvania State Univ.
Air Force		62,319	62,319	....	....	
Lincoln Laboratory	Mass.	62,319	62,319	....	....	Massachusetts Institute of Technology
Other DOD		45	45	....	....	
Brookhaven National Laboratory	N. Y.	45	45	....	....	Associated Universities, Inc.
Department of Health, Education and Welfare		12,455	12,455	....	....	
Office of Education		12,455	12,455	....	....	
Center for the Advanced Study of Educational Administration	Ore.	590	590	....	....	Univ. of Oregon
Center for Research and Development in Higher Education	Calif.	1,459	1,459	....	....	Univ. of California
Center for Research and Development for Learning and Re-Education	Wisc.	1,688	1,688	....	....	Univ. of Wisconsin
Center for Study of Evaluation of Instructional Programs	Calif.	868	868	....	....	Univ. of California
Learning Research and Development Center	Pa.	1,465	1,465	....	....	Univ. of Pittsburgh
Research and Development Center of Educational Stimulation	Ga.	1,284	1,284	....	....	Univ. of Georgia
Research and Development Center in Teacher Education	Tex.	1,190	1,190	....	....	Univ. of Texas
Stanford Center for Research and Development in Teaching	Calif.	1,567	1,567	....	....	Stanford Univ.
Center for Study of Social Organization of Schools and the Learning Process	Md.	782	782	....	....	Johns Hopkins Univ.
Coordination Center for the National Program in Early Childhood Education	Ill.	1,562	1,562	....	....	Univ. of Illinois

TABLE 22.—*Federal obligations to Federally Funded Research and Development Centers administered by universities and colleges, by agency, institution, and type of support, fiscal year 1968*—Continued

[Thousands of dollars]

Agency and institution	Location	Total Federal obligations	Research and development	R&D plant	Other science	Administered by—
National Aeronautics and Space Administration		209,732	209,052	680	....	
Jet Propulsion Laboratory [a]	Calif.	206,074	205,394	680	....	California Institute of Technology
National Center for Atmospheric Research	Colo.	3,072	3,072	....	....	University Corporation for Atmospheric Research
Space Radiation Effects Laboratory	Va.	586	586	....	....	College of William and Mary
National Science Foundation		31,227	21,108	10,119	....	
Cerro Tololo Inter-American Observatory	Chile	2,325	958	1,367	....	Association of Universities for Research in Astronomy, Inc.
Kitt Peak National Observatory	Ariz.	12,475	4,379	8,096	....	Association of Universities for Research in Astronomy, Inc.
National Center for Atmospheric Research	Colo.	11,562	11,438	124	....	University Corporation for Atmospheric Research
National Radio Astronomy Observatory	W. Va.	4,865	4,333	532	....	Associated Universities Inc.
Other Agencies (Commerce and Transportation)		46	45	....	1	
National Center for Atmospheric Research	Colo.	45	45	....	....	University Corporation for Atmospheric Research
Los Alamos Scientific Laboratory	N. Mex.	1	....	....	1	Univ. of California

[a] Includes $108 million subcontracted principally to industrial firms for performance.

SOURCE: National Science Foundation (CASE).

support per research center was $55 million for AEC, in contrast to $1 million for OE. The large difference in average funding levels can in part be attributed to the diverse types of research sponsored by these agencies. The work of AEC's Argonne National Laboratory (ANL) illustrates the complexity of FFRDC activities in the field of atomic energy and also reflects why R&D plant investment plays such an important role at most AEC research centers. Operated by the University of Chicago and Argonne Universities Association, ANL has followed up vital basic research to achieve several major breakthroughs in atomic energy. Among these accomplishments are the following: the first controlled self-sustaining nuclear reaction (at the Metallurgical Laboratory, forerunner of ANL); the first reactor to produce more fuel than it used; the first usable electricity from nuclear power; the development of the Zero Gradient Synchrotron, a major "atom smasher." In addition, ANL is involved in various other types of research, ranging from the study of the somatic effects of radiation to work on the prediction and control of air pollution.

Trends in Federal Support

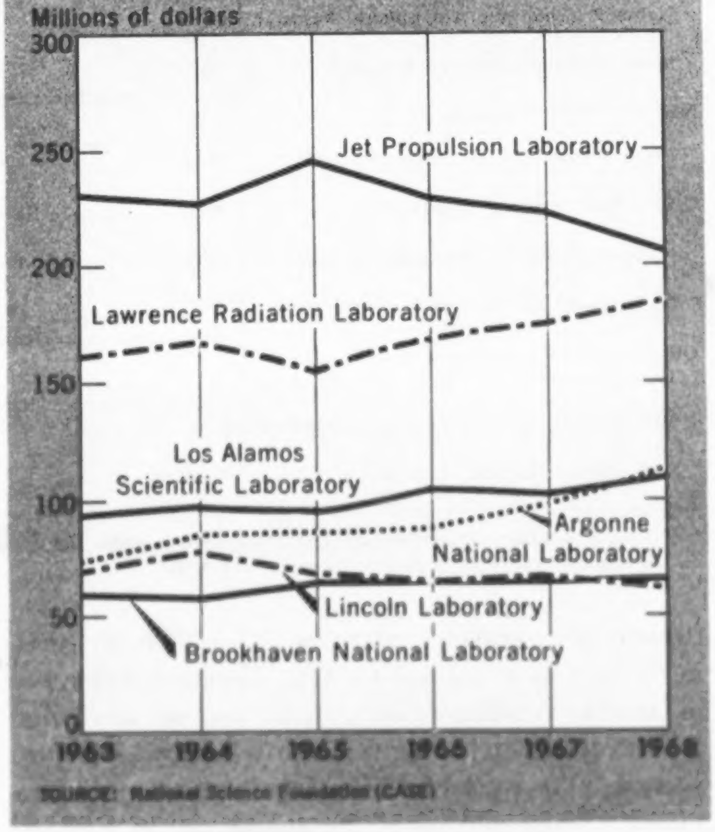
The growth in Federal support to FFRDC's between 1963 and 1968 was not as dramatic as the rise in the previously discussed Federal funds awarded to academic institutions. When measured against the 142-percent ($1,980 million) expansion in total Federal dollars to universities and colleges between 1963 and 1968, Federal sponsorship of FFRDC's grew at a much slower pace, increasing in volume by 16 percent ($128 million) in this same period. Virtually all of the FFRDC funds have remained limited to research, development, and R&D plant support and are geared to relatively constant long-range missions, while academic support has spread from an R&D base across the entire spectrum of higher education activities. Rapid growth in the non-R&D portion of total Federal funds to academic institutions in the 1963-68 period was the primary reason for the wide divergence in the growth rates of Federal support, between the FFRDC and university sectors.

Between 1963 and 1968 Federal support to FFRDC's has become more widely distributed, in terms of the number of centers receiving support and in terms of the gradually declining proportionate share of total obligations received by the largest FFRDC's. In 1963 there were [illegible] centers, with the top 6 FFRDC's receiving 85 percent ($690.8 million) of the $814 million awarded by the Government. By 1968, however, largely as a result of the addition of

FFRDC's has become more widely distributed, in terms of the number of centers receiving support and in terms of the gradually declining proportionate share of total obligations received by the largest FFRDC's. In 1963 there were 23 centers, with the top 6 FFRDC's receiving 85 percent ($690.8 million) of the $814 million awarded by the Government. By 1968, however, largely as a result of the addition of the OE centers, the count of FFRDC's were up to 36 and the largest 6 centers obtained a smaller proportionate share, 79 percent ($742.3 million) of the 1968 total of $945 million to all FFRDC's. Moreover, during the 1963-68 period the median level of Federal support to individual centers declined from $6.5 million to $4.8 million, again, reflecting the addition of the much smaller OE centers.

Chart 3 traces the funding levels of the largest six centers from 1963 to 1968. Only Argonne National Laboratory, climbing from $75 million in 1963 to $113 million in 1968, showed a pattern of uninterrupted growth. The Jet Propulsion Laboratory and Lincoln Laboratory received less funds in 1968 than in 1963. The other three, Lawrence Radiation Laboratory, Los Alamos Scientific Laboratory, and Brookhaven National Laboratory tended to expand their activities, but each experienced at least one cutback in support during the period. The history of Federal support for these 6 centers reflects the irregular pattern of growth that is found among the remaining 30 centers. Thus, the typical center received more support in 1968 than in 1963, but its annual record of Federal support included at least one decrease in funds.

Chart 3
Federal obligations to the six largest Federally Funded Research and Development Centers administered by universities and colleges, FY 1963-68



SOURCE: National Science Foundation (CASE)

Appendixes

APPENDIX A

Technical Notes

Concepts and Limitations

The dollar totals shown in this report represent obligations to institutions of higher education incurred by 12 Federal agencies. Four of these agencies, the Office of Economic Opportunity, the Departments of Housing and Urban Development, Labor, and Transportation, were added to the CASE reporting system in 1968. Combined for the purpose of tabular presentation, these four units constitute the "other" category used as the final column heading in tables showing agency detail. The time period for this report covers 1963-68 for eight agencies, but only 1968 for the four additional agencies.

Dollar totals reflect actual obligations by the reporting agency during a fiscal year (July 1-June 30) regardless of when funds were spent by a recipient.[1] Data on agency obligations for each of the eight original agencies and for each of the types of activities covered by this report are shown for the entire 1963-68 period; data on geographic allocation of funds are given for the years 1963, 1967, and 1968; data on individual institutions are shown for the latest year, 1968.

Certain allocations for financial assistance by Federal agencies were excluded from the study, notably repayable loans such as those made by the Office of Education for undergraduate and graduate construction and Federal agency support of employee training and development activities. Obligations were reported in amounts rounded to the nearest thousand dollars.

Amounts in this report represent obligations of funds to universities and colleges, including funds awarded through fiscal or other agents, such as university foundations. Data for individual institutions represent direct support from Federal agencies and do not make allowances for amounts subcontracted to or from other institutions. Consequently, the location of actual performance of obligated amounts cannot be identified if that performance takes place at some site other than that of the institution receiving direct support from Federal agencies. In cases of interagency transfer of funds, the agency that made the final distribution of the funds to academic institutions reported the obligations.

Federal obligations to university "systems" are shown in terms of the "individual" institutions within a system. Also listed separately are Federal dollars awarded directly to the administrative center of a system. Since the final allocation of funds is not known at the time the award is made, the agencies report the funds to the system's administrative office as an award to the "central system."[2] In many cases, the Federal funds are distributed by the system's central office to individual institutions. To the extent this filtering effect takes place, the amounts reported for the individual institutions may be understated. Central system obligations in FY 1968 were reported for the following:

University and State College of Arizona System
California State College System
Contra Costa Junior College District System
Los Angeles City Junior College District System
Peralta Junior College District System
San Diego Junior Colleges System
University of California System
Louisiana State University System
Mississippi Gulf Coast Junior College District System
University of Missouri System
City University of New York System
State University of New York System
Union College and University System
University of North Carolina System
Pennsylvania State College System
Texas A&M University System
University of Texas System

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[1] Data for the Atomic Energy Commission were provided in terms of costs rather than obligations but are treated as substantially the same thing in this analysis.

[2] Data on Federal obligations to "central systems" are included in appendix table B-4.

University of Wisconsin System
Wisconsin State University System
University of Puerto Rico System

Two new systems, the University of Illinois and the University of Nevada, have been separated into constituent institutions that were previously classified as branches of the parent university. Consequently, prior reporting was done only at the parent level. The University of Illinois is now divided into the University of Illinois at Urbana, the University of Illinois at Chicago Circle, and the University of Illinois at the Medical Center. Similarly, data that were previously reported under one entry for the University of Nevada are now distributed between the University of Nevada at Reno and the University of Nevada at Las Vegas.

Among the categories of support reported by Federal agencies, amounts shown for individual institutions may not always indicate the way the funds are actually spent by universities or colleges. For instance, the Department of Defense reported its entire obligations to universities and colleges for research and development, although some of the funds were actually expended for plant and facilities.

Some of the obligations by Federal agencies under institutional grant programs for general or special purposes were included under the category "other scientific activities," although actual expenditure of these funds is spread among research and development, R&D plant, and other scientific activities. Again, it is extremely difficult to categorize the purposes for which such funds are expended because of the close functional relationship between research and education.

Sections III and IV of this report include comparisons between obligation data and educational data on total degrees conferred over the three academic years beginning in 1963 and ending in 1966. These figures were compiled from degree data collected annually by the Office of Education in what is now known as the Higher Education General Information Survey (HEGIS). In some instances, when showing data for individual institutions, it was necessary to estimate three-year totals on the basis of data available for only the latest one or two years. Estimates were generally limited to institutions comprising academic "systems," which were designated as such sometime during the three academic years used in this report. Separate educational statistics were not collected for the constituent institutions until they were recognized as institutions awarding their own degrees, apart from other campuses within the "system."

At the time the effort was made to add together degree data for three years at the institution level, the latest available data were for academic years 1964 through 1966. Since that time later degree data for academic year 1967 have been published. In view of the considerable amount of time needed to update the three-year total with these latest data, it was determined that an update could not be completed within the report deadline.

Relationship of the CASE Study to Federal Funds for Research, Development, and Other Scientific Activities

Both the CASE study and *Federal Funds for Research, Development, and Other Scientific Activities*[a] obtain data on obligations by Federal agencies for research and development and R&D plant to universities and colleges and their associated Federally Funded Research and Development Centers. The CASE study is oriented toward obtaining information on total Federal support for individual institutions of higher education, while the *Federal Funds* study obtains data on research and development and R&D plant obligated by Federal agencies to all sectors of the economy, including universities and colleges. In *Federal Funds* the emphasis is on character of activity and field of science, rather than individual recipients.

In general, there is conformity of concepts and definitions used in the two studies. It should be noted, however, that data showing Federal obligations to universities and colleges compiled in the two studies do not and cannot conform in all respects. Information used in *Federal Funds* is based on the agencies' budgets which, of course, cannot show details on the recipient of funds. Also, since the CASE study covers twelve Federal departments and agencies and *Federal Funds* obtains reports on a Government-wide basis, there is a difference representing the amounts obligated to universities and colleges by agencies not in the CASE study.

Among other differences is the fact that the National Institutes of Health reported its General Research Support Grants Program as research and development in *Federal Funds* and "other scientific activities" in the CASE study. Similar reporting differences occurred in the case of the National Aeronautics and Space Administration's Sustaining University Program. The National Science Foundation provided estimates to *Federal Funds* of amounts expended by universities for research and development and R&D plant from institution-based grants. For individual institutions of higher education, the allocation of funds from this program differs widely among various categories of support and, consequently, all of the Foundation's obligations for Institutional Grant Programs were reported as "other scientific activities" in the CASE study.

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[a] National Science Foundation, *Federal Funds for Research, Development, and Other Scientific Activities, Fiscal Years 1967, 1968, and 1969*, Vol. XVII (NSF 68-27). (Washington, D.C. 20402: Supt. of Documents, U.S. Government Printing Office, 1968.)

In cases of interagency transfers of funds, the present study instructs the agency that actually obligates funds to an academic institution to report the obligation. This, again, is because the study is oriented toward obtaining information on individual universities and colleges. In *Federal Funds,* on the other hand, agencies initiating the interagency transfers report the obligated amounts.

Definitions of Terms [4]

University or college consists of all parts of the academic institution—such as a college of liberal arts, professional school, hospital, school of agriculture, agricultural experiment station, etc.—except an associated Federally Funded Research and Development Center. Universities and colleges include all institutions of higher education in the United States that offer at least two years of college-level studies in residence. The universe of institutions for this report is based upon the Office of Education's *Education Directory, 1968-69: Part 3, Higher Education.* To be included in this report, an institution must have received some Federal support in FY 1968 and must possess a significant degree of autonomy with respect to educational and administrative responsibilities. Thus, universities and colleges organized under systems (e.g., groups of institutions collectively having legal status and generally accorded recognition by a State, by a board of education, or other relevant organization) are shown as separate institutions in cases where significant autonomy exists. Obligations to branches and campuses of institutions are not shown separately but are included in the total for the parent institution. Obligations to service schools were excluded from the study. Also excluded were funds awarded to the U.S. Department of Agriculture Graduate School.

Federally Funded Research and Development Centers in this report are organizational units associated with universities and colleges whose creation and operation are not primarily related to the main function of the administering universities and colleges. Generally, these units have been established to meet a particular R&D need of a Federal agency. The Committee on Academic Science and Engineering has developed uniform identification and classification criteria for use by all sponsoring agencies. To be classified as an FFRDC, an organization should:

(a) perform primarily one or more of the following: basic research, applied research, development, or management of research and development. Specifically excluded are organizations engaged primarily in routine quality control and testing, routine service activities, production mapping and surveys, and information dissemination.
(b) constitute a separate operational unit within the parent organization or be organized as a seperately incorporated organization.
(c) perform actual research and development or R&D management either upon direct request of the Government or under a broad charter from the Government, but in either case under the direct monitorship of the Government.
(d) receive its major financial support (70 percent or more) from the Federal Government, usually from one agency.
(e) have or be expected to have a long-term relationship with its sponsoring agency (about five years or more), as evidenced by the specific obligations it and the agency assume.
(f) be established in the contract so that most or all of the facilities are owned or funded by the Government.
(g) have an average annual budget (operating and capital equipment) of at least $500,000.

The list of these centers has been revised since the publication of the last report. Five changes—four additions and one deletion—raised the total number of FFRDC's from 33 in FY 1967 to 36 in FY 1968. Added to the list of academically associated FFRDC's for FY 1968 were AEC's National Accelerator Laboratory (Ill.), OE's Coordination Center for the National Program in Early Childhood Education (Ill.), and OE's Center for the Study of Social Organization of Schools and the Learning Process (Md.). Also added was Navy's Center for Naval Analyses (Va.), which was reclassified as "academically associated" because of a change in its management (from Franklin Institute to the University of Rochester). The one deletion was a result of the discontinuation of OE's Center for Research and Development in Educational Differences (Mass.).

Of the 36 FFRDC's shown in chapter V for 1968, 28 are administered by specified universities; seven are managed solely by university consortia; and one, Argonne National Laboratory, is managed jointly by the University of Chicago and Argonne Universities Association. The institutions comprising the membership of the managing consortia are as follows:

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[4] These definitions of terms were established by the Interagency Task Force on Statistics of the Federal Council for Science and Technology's Committee on Academic Science and Technology.

Associated Universities, Inc.
- Columbia University
- Cornell University
- Harvard University
- Johns Hopkins University
- Massachusetts Institute of Technology
- University of Pennsylvania
- Princeton University
- University of Rochester
- Yale University

Association of Universities for Research in Astronomy, Inc.
- University of California
- University of Chicago
- Harvard University
- Indiana University
- University of Michigan
- Ohio State University
- Princeton University
- University of Texas
- University of Wisconsin
- Yale University

University Corporation for Atmospheric Research
- University of Alaska
- University of Arizona
- University of California
- Catholic University of America
- University of Chicago
- Colorado State University
- University of Colorado
- Cornell University
- University of Denver
- Florida State University
- University of Hawaii
- Johns Hopkins University
- University of Maryland
- Massachusetts Institute of Technology
- University of Miami
- University of Michigan
- University of Minnesota
- University of Missouri
- New York University
- University of Oklahoma
- Pennsylvania State University
- St. Louis University
- Texas A&M University
- University of Texas
- University of Utah
- University of Washington
- University of Wisconsin

Oak Ridge Associated Universities
- University of Alabama
- University of Arkansas
- Auburn University
- Catholic University of America
- Clemson University
- Duke University
- Emory University
- Fisk University
- University of Florida
- Florida State University
- University of Georgia
- Georgia Institute of Technology
- University of Kentucky
- Louisiana State University
- University of Louisville
- University of Maryland
- Medical College of Virginia
- Meharry Medical College
- University of Miami
- University of Mississippi
- Mississippi State University
- University of North Carolina
- North Carolina State University
- North Texas State University
- University of Oklahoma
- University of Puerto Rico
- Rice University
- University of South Carolina
- Southern Methodist University
- University of Tennessee
- University of Texas
- Texas A&M University
- Texas Christian University
- Texas Woman's University
- Tulane University
- Tuskegee Institute
- Vanderbilt University
- University of Virginia
- Virginia Polytechnic Institute
- West Virginia University
- College of William and Mary

University Research Association
- University of Arizona
- Brown University
- California Institute of Technology
- University of California—Berkeley
- University of California—Los Angeles
- University of California—San Diego
- Carnegie Mellon University
- Case Western Reserve University
- University of Chicago
- University of Colorado
- Columbia University
- Cornell University
- Duke University
- Florida State University
- Harvard University
- University of Illinois
- Indiana University
- Iowa State University
- University of Iowa
- Johns Hopkins University
- University of Maryland
- Massachusetts Institute of Technology
- Michigan State University
- University of Michigan
- University of Minnesota
- University of North Carolina—Chapel Hill
- Northwestern University
- University of Notre Dame

Ohio State University
University of Pennsylvania
Princeton University
Purdue University
Rice University
University of Rochester
Rockefeller University
Rutgers, the State University
Stanford University
State University of New York—Buffalo
State University of New York—Stony Brook
Stevens Institute of Technology
Syracuse University
University of Texas
University of Toronto
Tulane University
Vanderbilt University
University of Virginia
Washington University—St. Louis
University of Washington
University of Wisconsin
Yale University

Argonne Universities Association

Carnegie Mellon University
Case Western Reserve University
Illinois Institute of Technology
Indiana University
Iowa State University
Kansas State University
Loyola University
Marquette University
Michigan State University
Northwestern University
Ohio State University
Purdue University
St. Louis University
University of Arizona
University of Chicago
University of Cincinnati
University of Illinois
University of Iowa
University of Kansas
University of Michigan
University of Minnesota
University of Missouri
University of Notre Dame
University of Wisconsin
Washington University—St. Louis
Wayne State University

Academic science includes the sum of activities classified under three categories: research and development, R&D plant, other science activities. Each of these categories is defined below.

Research is defined as scientific inquiry. It includes basic studies—those oriented toward deeper or more meaningful understanding and knowledge *per se* in a particular subject or field—and applied studies—those aimed at new or more complete knowledge in the light of potential practical application.

Development is the systematic use of scientific knowledge directed toward the production of useful materials, devices, systems, or methods, including design and development of prototypes and processes. It excludes quality control, routine product testing, and production.

R&D plant includes all direct, indirect, incidental, or related costs resulting from or necessary to the construction of, acquisition of, major repairs to, or alterations in structures, works, fixed equipment, facilities, or land for use in scientific research and development at a university or college, or at a Federally Funded Research and Development Center. Fixed equipment includes accelerators, reactors, wind tunnels, radio telescopes, etc.

Other academic-science activities represent obligations for all other activities that are science-related but not included elsewhere. Included are obligations to a university or college that represent direct funding (excluding repayable loans) of science-related activities for purposes such as scholarships, fellowships, traineeships, institutes, course-content improvement projects, and other science education pursuits; facilities and equipment to be used primarily for education activities; collection, storage, handling, and dissemination of scientific and technical information; and institutional grants for general or specific purposes.

Nonscience activities include all support of fields of endeavor at universities and colleges other than those specified as academic science.

APPENDIX B

Statistical Tables

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TABLE B-1.—*Total Federal obligations to 100 universities and colleges receiving the largest amounts, by agency, fiscal year 1968*

[Thousands of dollars]

Institution	State	Total	Agriculture	AEC	Commerce	DOD	HEW	Interior	NASA	NSF	Other [a]
1. Mass. Inst. of Technology	Mass.	90,087	69	5,543	473	27,616	11,367	460	33,277	10,139	1,143
2. Harvard University	Mass.	60,348	....	514	395	2,539	39,236	260	8,650	8,427	327
3. Univ. of Calif.-Los Angeles	Calif.	60,070	....	4,479	10	6,109	38,503	284	4,557	5,157	971
4. Stanford University	Calif.	58,672	1	691	84	16,573	24,749	327	4,659	11,477	111
5. University of Michigan	Mich.	56,651	234	2,651	175	9,704	32,031	828	3,960	5,562	1,506
6. University of Calif.-Berkeley	Calif.	54,426	4,103	1,015	120	7,448	22,617	477	7,207	10,599	840
7. Columbia University [b]	N.Y.	52,367	....	5,294	43	5,125	30,767	211	1,373	8,769	785
8. University of Minnesota	Minn.	52,189	3,837	2,067	1	2,776	34,376	342	3,152	5,480	158
9. University of Washington	Wash.	50,280	124	2,596	95	1,478	31,946	948	663	12,224	206
10. University of Wisc.-Madison	Wis.	49,309	4,073	3,394	545	612	29,425	646	1,618	6,902	2,094
11. University of Illinois-Urbana	Ill.	47,721	4,096	5,310	51	9,979	18,505	431	700	8,433	216
12. New York University	N.Y.	43,399	....	2,050	68	3,519	32,957	174	777	2,892	962
13. University of Chicago	Ill.	43,005	....	5,368	589	1,812	24,278	53	2,358	7,868	679
14. Cornell University	N.Y.	39,567	4,002	1,628	....	3,537	19,285	404	707	9,845	159
15. Johns Hopkins University	Md.	38,392	53	1,073	95	2,777	30,800	162	487	2,884	61
16. Ohio State University	Ohio	35,871	4,818	594	....	3,737	21,465	395	687	3,997	178
17. University of Pennsylvania	Pa.	35,351	3	372	4	1,778	26,322	140	225	4,954	1,553
18. CUNY Mt. Sinai Sch. of Med.	N.Y.	33,710	....	....	....	....	33,679	....	....	31	....
19. Case Western Res. University	Ohio	32,460	....	1,325	....	1,291	23,734	....	592	4,899	619
20. Indiana University	Ind.	32,325	14	204	....	1,195	23,284	6	239	7,261	122
21. Yale University	Conn.	31,893	....	3,673	....	1,222	21,101	6	540	4,925	426
22. Michigan State University	Mich.	31,549	3,901	2,330	....	586	15,368	170	10	8,781	403
23. University of Iowa	Iowa	31,324	....	64	29	101	21,700	129	2,189	6,955	157
24. Univ. of California-San Diego	Calif.	28,916	....	2,413	65	5,152	8,509	216	2,218	10,343	....
25. Duke University	N.C.	28,567	10	1,545	....	3,153	20,483	6	239	2,966	165
26. University of Oregon	Oreg.	28,090	2	411	....	906	22,451	19	142	2,034	2,125
27. University of Maryland	Md.	27,928	1,744	3,271	12	2,370	13,342	245	2,126	4,265	553
28. University of Calif.-San Fran.	Calif.	27,627	....	612	....	235	26,602	....	108	70	....
29. University of Colorado	Colo.	26,253	2	995	475	2,717	16,452	82	1,060	4,208	262
30. University of Rochester	N.Y.	25,950	....	5,150	....	1,130	16,232	....	317	3,083	38
31. Purdue University	Ind.	25,028	4,085	1,776	185	2,592	10,197	178	676	5,161	178
32. Washington University	Mo.	24,663	....	289	....	1,169	21,012	5	615	1,436	137
33. University of Pittsburgh	Pa.	24,397	....	465	....	1,409	18,084	248	1,240	2,881	70
34. University of Tennessee	Tenn.	23,616	4,459	1,775	....	759	13,562	88	456	2,428	89
35. University of Southern Calif.	Calif.	23,388	....	517	....	1,792	17,071	86	1,536	2,085	301
36. University of Connecticut	Conn.	23,195	835	72	....	284	20,327	129	72	1,311	165
37. University of Utah	Utah	22,722	2	1,097	....	4,589	14,878	233	273	1,588	62
38. Yeshiva University	N.Y.	22,514	....	153	....	653	20,392	....	75	1,157	84
39. Univ. of Missouri-Columbia	Mo.	21,993	4,263	173	11	922	14,242	208	255	1,844	75
40. University of Florida	Fla.	21,737	2,104	515	....	2,149	13,280	389	596	2,642	62
41. Univ. of N.C.-Chapel Hill	N.C.	21,709	....	333	228	531	18,676	163	44	1,591	143
42. University of Miami	Fla.	20,748	80	327	366	2,598	12,692	463	720	3,335	167
43. Howard University	D.C.	20,561	....	12	150	38	19,817	....	127	273	144
44. University of Virginia	Va.	20,138	....	441	....	1,070	15,835	21	933	1,680	158
45. Pennsylvania State Univ.	Pa.	20,100	4,616	600	....	835	9,460	163	776	3,385	265
46. University of Georgia	Ga.	19,831	4,635	388	....	402	8,162	226	188	5,830	....
47. University of Alabama	Ala.	18,736	....	....	....	360	17,170	36	561	609	....
48. Rutgers, The State University	N.J.	18,624	1,519	142	....	1,077	10,875	396	837	3,511	267
49. University of Oklahoma	Okla.	18,560	....	88	189	1,099	13,808	163	100	1,562	1,551
50. University of Kentucky	Ky.	17,922	5,199	193	404	226	9,246	161	397	1,603	493
51. University of Hawaii	Hawaii	17,858	877	595	93	1,414	9,460	137	1,091	3,755	436
52. University of Texas-Austin	Tex.	17,619	....	727	....	5,031	7,791	221	....	3,849	....
53. Northwestern University	Ill.	17,519	....	340	10	861	11,558	66	540	3,773	371
54. University of Kansas	Kans.	17,103	....	666	....	1,094	12,976	149	410	1,482	326
55. Univ. of Texas-Southwestern Medical School	Tex.	16,968	....	....	....	53	16,741	....	174	....	....
56. Florida State University	Fla.	16,945	....	1,228	380	1,314	6,579	134	126	6,713	471
57. California Inst. of Technology	Calif.	16,928	....	3,571	....	2,998	4,438	100	1,874	3,947	....
58. Baylor University	Tex.	16,876	40	3	....	224	16,136	....	227	157	89
59. Princeton University	N.J.	16,537	....	1,398	....	2,174	4,167	....	3,104	5,446	248
60. Boston University	Mass.	16,396	....	28	....	288	15,050	....	26	483	521

TABLE B-1.—*Total Federal obligations to 100 universities and colleges receiving the largest amounts, by agency, fiscal year 1968*—Continued

[Thousands of dollars]

Institution	State	Total	Agriculture	AEC	Commerce	DOD	HEW	Interior	NASA	NSF	Other [a]
61. Oregon State University	Oreg.	16,237	2,020	605	....	1,980	6,408	902	57	4,139	126
62. Syracuse University	N.Y.	16,096	....	300	....	4,539	7,445	169	725	2,552	366
63. Colorado State University	Colo.	15,847	1,881	369	148	1,421	7,742	678	405	2,436	767
64. University of Calif.-Davis	Calif.	15,373	87	2,461	19	98	10,481	284	398	1,488	57
65. Texas A&M University	Tex.	14,711	6,676	1,230	234	1,076	2,536	389	509	2,030	31
66. Tulane University	La.	14,653	....	50	....	172	13,250	27	54	871	229
67. Iowa State University	Iowa	14,648	4,098	255	....	2,532	5,884	296	97	1,400	86
68. Vanderbilt University	Tenn.	14,574	....	315	....	181	11,932	285	57	1,793	11
69. University of Nebraska	Nebr.	14,405	2,510	115	10	73	10,019	138	....	1,540	....
70. University of Arizona	Ariz.	14,023	1,466	474	....	636	7,320	543	1,109	2,293	182
71. SUNY-State Univ.-Buffalo	N.Y.	13,950	....	130	....	1,004	11,545	89	140	826	216
72. University of New Mexico	N. Mex.	13,933	2	94	....	2,353	8,754	21	811	833	1,065
73. N.C. State Univ.-Raleigh	N.C.	13,916	6,182	374	7	551	3,904	192	459	1,993	254
74. George Washington Univ.	D.C.	13,335	1	20	68	1,740	9,782	....	823	740	161
75. Temple University	Pa.	13,326	....	138	....	302	11,475	40	178	632	561
76. Louisiana St. Univ. Med. Cen.	La.	13,205	....	....	....	....	13,134	....	....	71	....
77. Wayne State University	Mich.	12,950	1	174	....	277	10,725	44	30	1,204	495
78. Emory University	Ga.	11,454	....	69	....	57	10,028	....	270	503	527
79. University of Massachusetts	Mass.	11,433	1,479	198	....	611	5,995	516	262	1,918	454
80. University of Cincinnati	Ohio	11,302	....	42	....	1,522	8,514	120	171	846	87
81. Hahnemann Med. Col. Hosp.	Pa.	11,148	....	....	....	25	11,107	....	....	16	....
82. University of Arkansas	Ark.	10,804	3,500	116	....	1	6,086	176	70	712	143
83. West Virginia University	W. Va.	10,033	2,442	76	49	231	6,272	201	79	499	184
84. Oklahoma State University	Okla.	9,829	3,043	22	....	1,422	3,912	233	230	958	9
85. University of Alaska	Alaska	9,716	783	214	445	2,668	2,110	253	173	2,882	188
86. Carnegie Mellon University	Pa.	9,415	....	2,099	31	2,844	2,279	299	209	1,618	36
87. Brown University	R.I.	9,412	....	768	5	1,057	5,038	....	197	2,347	....
88. Louisiana State University-Baton Rouge	La.	9,374	3,232	135	....	1,564	1,657	122	400	2,264	....
89. Medical College of Georgia	Ga.	9,084	....	....	....	107	8,940	....	....	37	....
90. Auburn University	Ala.	8,945	4,197	9	29	684	2,424	182	644	776	....
91. Rice University	Tex.	8,920	....	909	....	433	2,062	57	3,980	1,479	....
92. Mississippi State University	Miss.	8,841	4,446	....	....	564	3,211	142	76	402	....
93. Washington State Univ.	Wash.	8,791	2,246	266	....	221	4,143	220	18	1,677	....
94. Kansas State University	Kans.	8,646	2,611	268	....	1,397	2,763	142	55	1,359	51
95. Utah State University	Utah	8,348	1,208	96	18	376	4,424	895	47	1,204	80
96. Tufts University	Mass.	8,101	....	515	....	327	6,595	46	....	618	....
97. Georgetown University	D.C.	8,034	....	121	8	815	6,607	....	....	483	....
98. University of Notre Dame	Ind.	7,663	....	1,715	....	1,535	2,353	139	170	1,665	86
99. Virginia Polytechnic Inst.	Va.	7,597	3,803	133	....	62	2,033	254	457	717	138
100. Univ. of Texas-M.D. Anderson Hosp. & Tumor Inst.	Tex.	7,510	....	68	....	40	7,038	....	186	178	....

[a] Includes Office of Economic Opportunity, The Departments of Housing and Urban Development, Labor, and Transportation.

[b] Main university only.

SOURCE: National Science Foundation (CASE).

TABLE B-2.—*Federal obligations to 100 universities and colleges receiving the largest amounts, by type of program, fiscal year 1968*

[Thousands of dollars]

Institution	State	Total, all programs	Academic science support				Nonscience activities
			Total	R&D	R&D plant	Other science	
1. Massachusetts Institute of Technology	Mass.	$90,087	$88,906	$79,776	$1,745	$ 7,385	$ 1,181
2. Harvard University	Mass.	60,348	56,538	39,177	3,797	13,564	3,810
3. University of California—Los Angeles	Calif.	60,070	48,377	36,534	362	11,481	11,693
4. Stanford University	Calif.	58,672	55,898	41,407	1,577	12,914	2,774
5. University of Michigan	Mich.	56,651	50,392	37,754	424	12,214	6,259
6. University of California—Berkeley	Calif.	54,426	49,173	34,031	1,183	13,959	5,253
7. Columbia University [a]	N. Y.	52,367	46,755	34,693	1,080	10,982	5,612
8. University of Minnesota	Minn.	52,189	43,959	26,378	1,179	16,402	8,230
9. University of Washington	Wash.	50,280	43,609	27,940	2,831	12,838	6,671
10. University of Wisconsin—Madison	Wis.	49,309	44,308	30,993	960	12,355	5,001
11. Universityof Illinois—Urbana	Ill.	47,721	41,855	29,804	1,276	10,775	5,866
12. New York University	N. Y.	43,399	36,449	24,318	329	11,802	6,950
13. University of Chicago	Ill.	43,005	39,686	26,956	2,274	10,456	3,319
14. Cornell University	N. Y.	39,567	36,827	23,306	3,239	10,282	2,740
15. Johns Hopkins University	Md.	38,392	35,764	22,201	388	13,175	2,628
16. Ohio State University	Ohio	35,871	26,757	16,398	990	9,369	9,114
17. University of Pennsylvania	Pa.	35,351	31,018	18,414	1,440	11,164	4,333
18. CUNY Mount Sinai School of Medicine	N. Y.	33,710	15,818	5,586	7,945	2,287	17,892
19. Case Western Reserve University	Ohio	32,460	23,653	14,690	866	8,097	8,807
20. Indiana University	Ind.	32,325	19,297	11,531	2,058	5,708	13,028
21. Yale University	Conn.	31,893	29,505	19,637	1,353	8,515	2,388
22. Michigan State University	Mich.	31,549	22,968	13,435	1,741	7,792	8,581
23. University of Iowa	Iowa	31,324	22,059	10,325	5,574	6,160	9,265
24. University of California—San Diego	Calif.	28,916	27,324	23,996	179	3,149	1,592
25. Duke University	N. C.	28,567	25,607	16,226	2,572	6,809	2,960
26. University of Oregon	Oreg.	28,090	15,708	8,352	1,052	6,304	12,382
27. University of Maryland	Md.	27,928	23,126	14,253	2,130	6,743	4,802
28. University of California—San Francisco	Calif.	27,627	19,143	12,648	47	6,448	8,484
29. University of Colorado	Colo.	26,253	22,448	13,067	919	8,462	3,805
30. University of Rochester	N. Y.	25,950	20,137	14,128	603	5,406	5,813
31. Purdue University	Ind.	25,028	20,393	11,617	1,447	7,329	4,635
32. Washington University	Mo.	24,663	22,253	14,928	....	7,325	2,410
33. University of Pittsburgh	Pa.	24,397	20,956	13,022	241	7,693	3,441
34. University of Tennessee	Tenn.	23,616	18,267	9,646	214	8,407	5,349
35. University of Southern California	Calif.	23,388	18,509	12,875	170	5,464	4,879
36. University of Connecticut	Conn.	23,195	7,054	3,171	866	3,017	16,141
37. University of Utah	Utah	22,722	17,246	12,429	77	4,740	5,476
38. Yeshiva University	N. Y.	22,514	20,851	13,418	....	7,433	1,663
39. University of Missouri—Columbia	Mo.	21,993	13,540	6,824	672	6,044	8,453
40. University of Florida	Fla.	21,737	17,381	10,460	418	6,503	4,356
41. University of North Carolina—Chapel Hill	N. C.	21,709	17,913	8,720	47	9,146	3,796
42. University of Miami	Fla.	20,748	18,159	13,037	460	4,662	2,589
43. Howard University	D. C.	20,561	2,735	1,214	19	1,502	17,826
44. University of Virginia	Va.	20,138	14,256	6,679	2,858	4,719	5,882
45. Pennsylvania State University	Pa.	20,100	16,100	8,554	247	7,299	4,000
46. University of Georgia	Ga.	19,831	15,355	6,755	1,723	6,877	4,476
47. University of Alabama	Ala.	18,736	13,012	6,594	87	6,331	5,724
48. Rutgers, The State University	N. J.	18,624	15,534	8,900	911	5,723	3,090
49. University of Oklahoma	Okla.	18,560	8,608	4,276	71	4,261	9,952
50. University of Kentucky	Ky.	17,922	13,384	7,816	84	5,484	4,538
51. University of Hawaii	Hawaii	17,858	13,913	9,168	1,320	3,425	3,945
52. University of Texas—Austin	Tex.	17,619	15,133	10,309	1,123	3,701	2,486
53. Northwestern University	Ill.	17,519	14,547	9,001	729	4,817	2,972
54. University of Kansas	Kans.	17,103	11,976	6,953	261	4,762	5,127
55. University of Texas—Southwestern Medical School	Tex.	16,968	9,178	3,948	1,894	3,336	7,790
56. Florida State University	Fla.	16,945	14,169	10,209	112	3,848	2,776
57. California Institute of Technology	Calif.	16,928	16,669	13,211	1,101	2,357	259
58. Baylor University	Tex.	16,876	15,139	11,222	13	3,904	1,737
59. Princeton University	N. J.	16,537	15,008	10,756	1,423	2,829	1,529
60. Boston University	Mass.	16,396	11,848	4,760	118	6,970	4,548

TABLE B-2.—*Federal obligations to 100 universities and colleges receiving the largest amounts, by type of program, fiscal year 1968*—Continued

[Thousands of dollars]

Institution	State	Total, all programs	Academic science support				Nonscience activities
			Total	R&D	R&D plant	Other science	
61. Oregon State University	Oreg.	16,237	14,042	9,814	151	4,077	2,195
62. Syracuse University	N. Y.	16,096	12,491	8,666	644	3,181	3,605
63. Colorado State University	Colo.	15,847	12,485	8,779	106	3,600	3,362
64. University of California—Davis	Calif.	15,373	14,057	9,927	1,303	2,827	1,316
65. Texas A&M University	Tex.	14,711	13,415	7,186	451	5,778	1,296
66. Tulane University	La.	14,653	12,448	7,557	40	4,851	2,205
67. Iowa State University	Iowa	14,648	11,972	7,260	139	4,573	2,676
68. Vanderbilt University	Tenn.	14,574	11,285	7,190	295	3,800	3,289
69. University of Nebraska	Nebr.	14,405	10,982	4,641	735	5,606	3,423
70. University of Arizona	Ariz.	14,023	9,491	6,166	551	2,774	4,532
71. SUNY State University—Buffalo	N. Y.	13,950	10,703	6,961	....	3,742	3,247
72. University of New Mexico	N. M.	13,933	6,536	5,137	18	1,381	7,397
73. North Carolina University—Raleigh	N. C.	13,916	12,756	7,067	350	5,339	1,160
74. George Washington University	D. C.	13,335	10,879	6,985	49	3,845	2,456
75. Temple University	Pa.	13,326	8,708	5,041	25	3,642	4,618
76. Louisiana State University—Medical Center	La.	13,205	2,302	1,464	....	838	10,903
77. Wayne State University	Mich.	12,950	9,440	4,602	17	4,821	3,510
78. Emory University	Ga.	11,454	9,739	5,783	....	3,956	1,715
79. University of Massachusetts	Mass.	11,433	8,550	4,876	44	3,630	2,883
80. University of Cincinnati	Ohio	11,302	9,327	5,352	171	3,804	1,975
81. Hahnemann Medical College and Hospital	Pa.	11,148	9,982	1,558	6,903	1,521	1,166
82. University of Arkansas	Ark.	10,804	8,209	3,622	72	4,515	2,595
83. West Virginia University	W. Va.	10,033	6,949	3,453	84	3,412	3,084
84. Oklahoma State University	Okla.	9,829	7,667	3,906	25	3,736	2,162
85. University of Alaska	Alaska	9,716	8,678	6,101	1,453	1,124	1,038
86. Carnegie Mellon University	Pa.	9,415	8,452	7,575	105	772	963
87. Brown University	R. I.	9,412	8,417	5,628	40	2,749	995
88. Louisiana State University—Baton Rouge	La.	9,374	9,022	4,892	979	3,151	352
89. Medical College of Georgia	Ga.	9,084	2,145	1,297	....	848	6,939
90. Auburn University	Ala.	8,945	6,925	3,070	472	3,383	2,020
91. Rice University	Tex.	8,920	8,376	6,674	71	1,631	544
92. Mississippi State University	Miss.	8,841	6,574	2,723	73	3,778	2,267
93. Washington State University	Wash.	8,791	7,082	3,839	529	2,714	1,709
94. Kansas State University	Kans.	8,646	7,303	3,841	667	2,795	1,343
95. Utah State University	Utah	8,348	5,620	3,060	659	1,901	2,728
96. Tufts University	Mass.	8,101	6,121	3,320	37	2,764	1,980
97. Georgetown University	D. C.	8,034	6,372	3,793	39	2,540	1,662
98. University of Notre Dame	Ind.	7,663	6,674	4,557	587	1,530	989
99. Virginia Polytechnic Institute	Va.	7,597	6,806	3,275	418	3,113	791
100. University of Texas—MD Anderson Hospital and Tumor Institute	Tex.	7,510	7,510	6,147	226	1,137	....

[a] Main university only.

SOURCE: National Science Foundation (CASE).

TABLE B-3.—*Federal obligations for academic science to 100 universities and colleges receiving the largest amounts, by agency, fiscal year 1968*

[Thousands of dollars]

Institution	State	Total	Agricul-ture	AEC	Com-merce	DOD	HEW	Interior	NASA	NSF	Other [a]
1. Massachusetts Institute of Technology	Mass.	$88,906	$ 69	$5,543	$473	$27,616	$10,270	$460	$33,277	$10,139	$1,059
2. Harvard University	Mass.	56,538	....	514	395	2,539	35,505	260	8,650	8,427	248
3. Stanford University	Calif.	55,898	1	691	84	16,573	21,975	327	4,659	11,477	111
4. University of Michigan	Mich.	50,392	234	2,651	175	9,704	25,798	828	3,960	5,562	1,480
5. University of California—Berkeley	Calif.	49,173	4,103	1,015	120	7,448	17,773	477	7,207	10,599	431
6. University of California—Los Angeles	Calif.	48,377	....	4,479	10	6,109	26,966	284	4,557	5,157	815
7. Columbia University [b]	N. Y.	46,755	....	5,294	43	5,125	25,501	211	1,373	8,769	439
8. University of Wisconsin—Madison	Wis.	44,308	4,073	3,394	545	612	24,457	646	1,618	6,902	2,061
9. University of Minnesota	Minn.	43,959	3,837	2,067	1	2,776	26,226	342	3,152	5,480	78
10. University of Washington	Wash.	43,609	124	2,596	95	1,478	25,340	948	663	12,224	141
11. University of Illinois—Urbana	Ill.	41,855	4,096	5,310	51	9,979	12,723	431	700	8,433	132
12. University of Chicago	Ill.	39,686	....	5,368	589	1,812	20,959	53	2,358	7,868	679
13. Cornell University	N. Y.	36,827	4,002	1,628	....	3,537	16,545	404	707	9,845	159
14. New York University	N. Y.	36,449	....	2,050	68	3,519	26,276	174	777	2,892	693
15. Johns Hopkins University	Md.	35,764	53	1,073	95	2,777	28,172	162	487	2,884	61
16. University of Pennsylvania	Pa.	31,018	3	372	4	1,778	22,980	140	225	4,954	562
17. Yale University	Conn.	29,505	....	3,673	....	1,222	18,889	6	540	4,925	250
18. University of California—San Diego	Calif.	27,324	....	2,413	65	5,152	6,917	216	2,218	10,343	....
19. Ohio State University	Ohio	26,757	4,818	594	....	3,737	12,351	395	687	3,997	178
20. Duke University	N. C.	25,607	10	1,545	....	3,153	17,636	6	239	2,966	52
21. Case Western Reserve University	Ohio	23,653	....	1,325	....	1,291	15,287	....	592	4,899	259
22. University of Maryland	Md.	23,126	1,744	3,271	12	2,370	9,079	245	2,126	4,265	14
23. Michigan State University	Mich.	22,968	3,901	2,330	....	586	6,864	170	10	8,781	326
24. University of Colorado	Colo.	22,448	2	995	470	2,717	12,856	82	1,060	4,208	58
25. Washington University	Mo.	22,253	....	289	....	1,169	18,732	5	615	1,436	7
26. University of Iowa	Iowa	22,059	....	64	29	101	12,582	129	2,189	6,955	10
27. University of Pittsburgh	Pa.	20,956	....	465	....	1,409	14,705	248	1,240	2,881	8
28. Yeshiva University	N. Y.	20,851	....	153	....	653	18,729	....	75	1,157	84
29. Purdue University	Ind.	20,393	4,085	1,776	185	2,592	5,710	178	676	5,161	30
30. University of Rochester	N. Y.	20,137	....	5,150	....	1,130	10,420	....	317	3,083	37
31. Indiana University	Ind.	19,297	14	204	....	1,195	10,324	6	239	7,261	54
32. University of California—San Francisco	Calif.	19,143	....	612	....	235	18,118	....	108	70	....
33. University of Southern California	Calif.	18,509	....	517	....	1,792	12,420	86	1,536	2,085	73
34. University of Tennessee	Tenn.	18,267	4,459	1,775	....	759	8,292	88	456	2,428	10
35. University of Miami	Fla.	18,159	80	327	146	2,598	10,391	463	720	3,335	99
36. University of North Carolina—Chapel Hill	N. C.	17,913	....	333	228	531	15,023	163	44	1,591	....
37. University of Florida	Fla.	17,381	2,104	515	....	2,149	8,924	389	596	2,642	62
38. University of Utah	Utah	17,246	2	1,097	....	4,589	9,451	233	273	1,588	13
39. California Institute of Technology	Calif.	16,669	....	3,571	....	2,998	4,179	100	1,874	3,947	....
40. Pennsylvania State University	Pa.	16,100	4,616	600	....	835	5,516	163	776	3,385	209
41. CUNY Mt. Sinai School of Medicine	N. Y.	15,818	....	....	....	....	15,787	....	....	31	....
42. University of Oregon	Oreg.	15,708	2	411	....	906	12,184	19	142	2,034	10
43. Rutgers, The State University	N. J.	15,534	1,519	142	....	1,077	8,025	396	837	3,511	27
44. University of Georgia	Ga.	15,355	4,635	388	....	402	3,686	226	188	5,830	....
45. Baylor University	Tex.	15,139	40	3	....	224	14,465	....	227	157	23
46. University of Texas—Austin	Tex.	15,133	....	727	....	5,031	5,305	221	....	3,849	....
47. Princeton University	N. J.	15,008	....	1,398	....	2,174	2,710	....	3,104	5,446	176
48. Northwestern University	Ill.	14,547	....	340	10	861	8,747	66	540	3,773	210
49. University of Virginia	Va.	14,256	....	441	....	1,070	10,096	21	933	1,680	15
50. Florida State University	Fla.	14,169	....	1,228	380	1,314	3,803	134	126	6,713	471
51. University of California—Davis	Calif.	14,057	87	2,461	19	98	9,222	284	398	1,488	....
52. Oregon State University	Oreg.	14,042	2,020	605	....	1,980	4,339	902	57	4,139	....
53. University of Hawaii	Hawaii	13,913	877	595	83	1,414	5,622	137	1,091	3,755	339
54. University of Missouri—Columbia	Mo.	13,540	4,263	173	11	922	5,864	208	255	1,844	....
55. Texas A. & M. University	Tex.	13,415	6,676	1,230	234	1,076	1,240	389	509	2,030	31
56. University of Kentucky	Ky.	13,384	5,199	193	404	226	4,773	161	397	1,603	428
57. University of Alabama	Ala.	13,012	....	....	....	360	11,446	36	561	609	....
58. North Carolina State University—Raleigh	N. C.	12,756	6,182	374	7	551	2,924	192	459	1,993	74
59. Syracuse University	N. Y.	12,491	....	300	....	4,539	3,934	169	725	2,552	272
60. Colorado State University	Colo.	12,485	1,881	369	148	1,421	4,380	678	405	2,436	767

TABLE B-3.—*Federal obligations for academic science to 100 universities and colleges receiving the largest amounts, by agency, fiscal year 1968*—Continued

[Thousands of dollars]

Institution	State	Total	Agriculture	AEC	Commerce	DOD	HEW	Interior	NASA	NSF	Other [a]
61. Tulane University	La.	12,448	....	50	....	172	11,045	27	54	871	229
62. University of Kansas	Kans.	11,976	....	666	....	1,094	7,849	149	410	1,482	326
63. Iowa State University	Iowa	11,972	4,098	255	....	2,532	3,208	296	97	1,400	86
64. Boston University	Mass.	11,848	....	28	....	288	10,645	....	26	483	378
65. Vanderbilt University	Tenn.	11,285	....	315	....	181	8,643	285	57	1,793	11
66. University of Nebraska	Nebr.	10,982	2,510	115	10	73	6,596	138	....	1,540	....
67. George Washington University	D. C.	10,879	1	20	68	1,740	7,326	....	823	740	161
68. SUNY State University—Buffalo	N. Y.	10,703	....	130	....	1,004	8,355	89	140	826	159
69. Hahnemann Medical College and Hospital	Pa.	9,982	....	....	....	25	9,941	....	....	16	....
70. Emory University	Ga.	9,739	....	69	....	57	8,393	....	270	503	447
71. University of Arizona	Ariz.	9,491	1,466	474	....	636	2,788	543	1,109	2,293	182
72. Wayne State University	Mich.	9,440	1	174	....	277	7,534	44	30	1,204	176
73. University of Cincinnati	Ohio	9,327	....	42	....	1,522	6,626	120	171	846	....
74. University of Texas—Southwestern Medical School	Tex.	9,178	....	....	....	53	8,951	....	174	....	....
75. Louisiana State University—Baton Rouge	La.	9,022	3,232	135	....	1,564	1,305	122	400	2,264	....
76. Temple University	Pa.	8,708	....	138	....	302	7,059	40	178	632	359
77. University of Alaska	Alaska	8,678	783	214	445	2,668	1,241	253	173	2,882	19
78. University of Oklahoma	Okla.	8,608	....	88	189	1,099	5,016	163	100	1,562	391
79. University of Massachusetts	Mass.	8,550	1,479	198	....	611	3,551	516	262	1,918	15
80. Carnegie Mellon University	Pa.	8,452	....	2,099	31	2,844	1,316	299	209	1,618	36
81. Brown University	R. I.	8,417	....	768	5	1,057	4,043	....	197	2,347	....
82. Rice University	Tex.	8,376	....	909	....	433	1,518	57	3,980	1,479	....
83. University of Arkansas [b]	Ark.	8,209	3,500	116	....	1	3,634	176	70	712	....
84. Oklahoma State University	Okla.	7,667	3,043	22	....	1,422	1,759	233	230	958	....
85. University of Texas—M. D. Anderson Hospital & Tumor Institute	Tex.	7,510	....	68	....	40	7,038	....	186	178	....
86. Kansas State University	Kans.	7,303	2,611	268	....	1,397	1,420	142	55	1,359	51
87. Washington State University	Wash.	7,082	2,246	266	....	221	2,434	220	18	1,677	....
88. University of Connecticut	Conn.	7,054	835	72	....	284	4,351	129	72	1,311	....
89. West Virginia University	W. Va.	6,949	2,442	76	49	231	3,351	201	79	499	21
90. Auburn University	Ala.	6,925	4,197	9	29	684	404	182	644	776	....
91. Virginia Polytechnic Institute	Va.	6,806	3,803	133	....	62	1,347	254	457	717	33
92. University of Notre Dame	Ind.	6,674	....	1,715	....	1,535	1,433	139	170	1,665	17
93. Mississippi State University	Miss.	6,574	4,446	....	....	564	944	142	76	402	....
94. University of New Mexico	N. Mex.	6,536	2	94	....	2,353	2,336	21	811	833	86
95. Georgetown University	D. C.	6,372	....	121	8	815	4,945	....	....	483	....
96. Jefferson Medical College—Philadelphia	Pa.	6,341	....	59	....	105	6,159	....	....	18	....
97. University of Denver	Colo.	6,206	....	103	29	2,978	1,252	117	706	1,006	15
98. Rensselaer Polytechnic Institute	N. Y.	6,141	....	1,298	27	1,067	703	28	631	2,309	78
99. Tufts University	Mass.	6,121	....	515	....	327	4,615	46	....	618	....
100. New York Medical College	N. Y.	6,069	....	18	....	98	5,824	....	....	129	....

[a] Includes Office of Economic Opportunity, the Departments of Housing and Urban Development, Labor, and Transportation.
[b] Main university only.
SOURCE: National Science Foundation (CASE).

Table B-4.—*Obligations by the Department of Health, Education, and Welfare to universities and colleges, by type of program and subdivision, fiscal year 1968*

[Thousands of dollars]

Type of program	Total	Health activities			Office of Education	Other
		Total	National Institutes of Health	Other		
Total, all programs	$2,211,866	$1,167,856	$942,548	$225,308	$932,440	$111,570
Academic science	1,229,392	926,172	753,521	172,651	235,014	68,206
Research & development	619,112	559,708	473,589	86,119	33,910	25,494
R&D plant	36,914	34,721	34,721	....	2,193	....
Other science activities	573,366	331,743	245,211	86,532	198,911	42,712
Nonscience activities	982,474	241,684	189,027	52,657	697,426	43,364

SOURCE: National Science Foundation (CASE).

Table B-5.—*Obligations by the Department of Defense to universities and colleges for research and development,*[a] *by subdivision, fiscal year 1968*

Department of Defense	Amount (thousands of dollars)
Total	$243,148
Department of the Army	51,134
Department of the Navy	92,323
Department of the Air Force	91,127
Other	8,564

[a] All activities supported by the Department of Defense at institutions of higher education were classified as research and development.

SOURCE: National Science Foundation (CASE).

TABLE B-6

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
NEW ENGLAND										
CONNECTICUT										
ALBERTUS MAGNUS COL	41	0	0	0	0	41	0	0	0	0
ANNHURST COL	19	0	0	0	0	19	0	0	0	0
BRIDGEPORT ENG INST	18	0	0	0	0	18	0	0	0	0
CENTRAL CONN ST COL	719	0	0	0	0	717	0	0	2	0
CONNECTICUT COL	241	0	0	0	38	120	0	0	15	68
EASTERN CONN STATE COL	582	0	0	0	0	582	0	0	0	0
FAIRFIELD UNIV	605	0	0	0	0	491	0	35	55	24
GREATER HARTFORD COMM COL**	24	0	0	0	0	24	0	0	0	0
HARTFORD COL FOR WOMEN**	288	0	0	0	0	288	0	0	0	0
MANCHESTER COMM COL**	45	0	0	0	0	45	0	0	0	0
MATTATUCK COMMUNITY COL**	10	0	0	0	0	10	0	0	0	0
MITCHELL COL**	41	0	0	0	0	41	0	0	0	0
NEW ENGLAND INST	121	0	71	0	0	0	0	0	50	0
NEW HAVEN COL	297	0	0	0	0	297	0	0	0	0
NORTHWESTN CONN COMM COL**	41	0	0	0	0	41	0	0	0	0
NORWALK COMM COL**	80	0	0	0	0	80	0	0	0	0
NORWALK STATE TECH COL**	5	0	0	0	0	5	0	0	0	0
POST JR COL **	40	0	0	0	0	40	0	0	0	0
QUINNIPIAC COL	99	0	0	0	0	99	0	0	0	0
SACRED HEART UNIV	46	0	0	0	0	46	0	0	0	0
SILVERMINE COL OF ART **	9	0	0	0	0	9	0	0	0	0
SOUTH CENTRAL COMM COL**	8	0	0	0	0	8	0	0	0	0
SOUTHERN CONN STATE COL	1,148	0	0	0	0	1,132	0	0	16	0
ST JOSEPH COL	118	0	0	0	0	66	0	0	52	0
THAMES VALLEY ST TECH COL **	321	0	0	0	0	321	0	0	0	0
TRINITY COL	320	0	10	0	0	182	0	0	128	0
UNIV OF BRIDGEPORT	499	0	0	0	0	451	0	0	48	0
UNIV OF CONNECTICUT	23,195	835	72	0	284	20,327	129	72	1,311	165
UNIV OF HARTFORD	503	0	0	0	0	283	0	0	193	27
WATERBURY STATE TECH COL**	5	0	0	0	0	5	0	0	0	0
WESLEYAN UNIV	2,081	0	0	0	70	495	0	0	1,405	111
WESTERN CONN STATE COL	552	0	0	0	0	550	0	0	2	0
YALE UNIV	31,893	0	3,673	0	1,222	21,101	6	540	4,925	426
TOTAL CONNECTICUT	64,014	835	3,826	0	1,614	47,934	135	647	8,202	821
MAINE										
AROOSTOOK STATE COL	37	0	0	0	0	37	0	0	0	0
BATES COL	57	0	0	0	0	57	0	0	0	0
BOWDOIN COL	509	0	0	0	0	66	0	0	356	87
COLBY COL	163	0	0	0	0	51	0	0	112	0
FARMINGTON STATE COL	397	0	0	0	0	397	0	0	0	0
FORT KENT STATE COL	23	0	0	0	0	23	0	0	0	0
GORHAM STATE COL	668	0	0	0	0	580	0	0	0	88
HUSSON COL	76	0	0	0	0	76	0	0	0	0
MAINE MARITIME ACADEMY	21	0	0	0	0	21	0	0	0	0
NASSON COL	71	0	0	0	0	69	0	0	0	2
NORTHERN CONSERV OF MUSIC	12	0	0	0	0	12	0	0	0	0
RICKER COL	30	0	0	0	0	30	0	0	0	0
ST FRANCIS COL	73	0	0	0	0	73	0	0	0	0
ST JOSEPHS COL	31	0	0	0	0	30	0	0	0	1
THOMAS COL	529	0	0	0	0	529	0	0	0	0
UNIV OF MAINE ORONO	3,827	1,290	0	0	0	1,745	287	75	292	138
WASHINGTON STATE COL	246	0	0	0	0	246	0	0	0	0
WESTBROOK JR COL	76	0	0	0	0	76	0	0	0	0
TOTAL MAINE	6,846	1,290	0	0	0	4,118	287	75	760	316
MASSACHUSETTS										
AMERICAN INTL COL	128	0	0	0	0	102	0	0	26	0
AMHERST COL	1,029	0	0	0	0	440	0	0	589	0
ANNA MARIA COL FOR WOMEN	47	0	0	0	0	47	0	0	0	0
AQUINAS SCHOOL**	11	0	0	0	0	11	0	0	0	0
ASSUMPTION COL	269	0	0	0	0	232	0	0	37	0
ATLANTIC UNION COL	207	0	0	0	0	207	0	0	0	0
BABSON INST OF BUS ADMIN	22	0	0	0	0	22	0	0	0	0
BAY PATH JR COL**	14	0	0	0	0	11	0	0	3	0
BAY STATE SCH OF BUSINESS	15	0	0	0	0	15	0	0	0	0
BECKER JR COL**	7	0	0	0	0	7	0	0	0	0
BENTLEY COL OF ACCT & FIN	194	0	0	0	0	194	0	0	0	0
BERKSHIRE CHRISTIAN COL	13	0	0	0	0	13	0	0	0	0
BERKSHIRE COMM COL **	70	0	0	0	0	70	0	0	0	0
BOSTON ARCHITECTURAL CTR	7	0	0	0	0	7	0	0	0	0
BOSTON COL	4,262	0	99	19	470	2,780	0	0	437	457

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
NEW ENGLAND										
MASSACHUSETTS										
BOSTON CONSERV OF MUSIC	3	0	0	0	0	3	0	0	0	0
BOSTON UNIV	16,396	0	28	0	288	15,050	0	26	483	521
BRADFORD JR COL **	125	0	0	0	0	125	0	0	0	0
BRANDEIS UNIV	6,482	0	334	0	265	4,152	16	75	1,288	352
BRISTOL COMM COL**	1,063	0	0	0	0	1,063	0	0	0	0
BURDETT COL**	29	0	0	0	0	29	0	0	0	0
CAPE COD COMM COL**	28	0	0	0	0	28	0	0	0	0
CARDINAL CUSHING COL	13	0	0	0	0	13	0	0	0	0
CHAMBERLAYNE JR COL	14	0	0	0	0	14	0	0	0	0
CLARK UNIV	2,236	0	19	0	25	1,696	0	0	496	0
COL OF OUR LADY OF ELMS	73	0	0	0	0	73	0	0	0	0
COL OF THE HOLY CROSS	465	0	0	0	25	240	0	21	179	0
CURRY COL	52	0	0	0	0	52	0	0	0	0
DEAN JR COL**	53	0	0	0	0	53	0	0	0	0
EASTERN NAZARENE COL	246	0	0	0	0	181	0	0	65	0
EMERSON COL	157	0	0	0	0	157	0	0	0	0
EMMANUEL COL	445	0	0	0	299	146	0	0	0	0
ENDICOTT JR COL**	5	0	0	0	0	5	0	0	0	0
FISHER JR COL**	16	0	0	0	0	16	0	0	0	0
FRANKLIN INST OF BOSTON **	25	0	0	0	0	25	0	0	0	0
GARLAND JR COL**	6	0	0	0	0	6	0	0	0	0
GORDON COL	141	0	0	0	0	117	0	0	24	0
GRAHM JR COL **	87	0	0	0	0	87	0	0	0	0
GREENFIELD COMM COL**	46	0	0	0	0	46	0	0	0	0
HAMPSHIRE COLLEGE	1,501	0	0	0	0	1,501	0	0	0	0
HARVARD UNIV	60,348	0	514	395	2,539	39,236	260	8,650	8,427	327
HEBREW TCHRS COL	13	0	0	0	0	13	0	0	0	0
HELLENIC COL	14	0	0	0	0	14	0	0	0	0
HOLYOKE COMM COL **	61	0	0	0	0	61	0	0	0	0
LASELL JR COL**	15	0	0	0	0	15	0	0	0	0
LEICESTER JR COL **	38	0	0	0	0	38	0	0	0	0
LESLEY COL	51	0	0	0	0	51	0	0	0	0
LOWELL TECHNOLOGICAL INST	1,704	0	10	0	589	928	0	153	24	0
MASS BAY COMM COL**	9	0	0	0	0	9	0	0	0	0
MASS COL OF ART	39	0	0	0	0	39	0	0	0	0
MASS COL OF OPTOMETRY	225	0	0	0	0	225	0	0	0	0
MASS COL OF PHARMACY	7	0	0	0	0	7	0	0	0	0
MASS INST OF TECH	90,087	69	5,543	473	27,616	11,367	460	33,277	10,139	1,143
MASSASOIT COMM COL **	801	0	0	0	0	801	0	0	0	0
MERRIMACK COL	147	0	0	0	15	128	0	0	4	0
MOUNT IDA JR COL**	18	0	0	0	0	18	0	0	0	0
MOUNT WACHUSETT COMM COL**	40	0	0	0	0	40	0	0	0	0
MT HOLYOKE COL	473	0	0	0	0	139	0	0	334	0
NEW ENGL CONSERV OF MUSIC	26	0	0	0	0	26	0	0	0	0
NEWTON COL SACRED HEART	34	0	0	0	0	34	0	0	0	0
NEWTON JR COL**	10	0	0	0	0	10	0	0	0	0
NICHOLS COL OF BUS ADMIN	24	0	0	0	0	24	0	0	0	0
NORTH SHORE COMM COL **	70	0	0	0	0	70	0	0	0	0
NORTHEASTERN UNIV	5,187	0	33	0	971	2,868	54	143	730	388
NORTHERN ESSEX COMM COL**	40	0	0	0	0	40	0	0	0	0
PINE MANOR JR COL**	27	0	0	0	0	27	0	0	0	0
QUINCY JR COL**	36	0	0	0	0	36	0	0	0	0
QUINSIGAMOND COMM COL**	43	0	0	0	0	43	0	0	0	0
REGIS COL	902	0	0	0	149	753	0	0	0	0
SIMMONS COL	665	0	0	0	0	596	0	0	69	0
SMITH COL	1,086	0	0	0	12	995	0	0	79	0
SOUTHEASTN MASS TECH INST	405	0	0	0	30	175	0	0	134	66
SPRINGFIELD COL	453	0	0	0	0	451	0	0	2	0
SPRINGFIELD TECH COMM COL**	70	0	0	0	0	70	0	0	0	0
STATE COL AT BOSTON	164	0	0	0	0	150	0	0	14	0
STATE COL AT BRIDGEWATER	1,028	0	0	0	0	964	0	0	64	0
STATE COL AT FITCHBURG	96	0	0	0	0	93	0	0	3	0
STATE COL AT FRAMINGHAM	75	0	0	0	0	71	0	0	4	0
STATE COL AT LOWELL	50	0	0	0	0	50	0	0	0	0
STATE COL AT NORTH ADAMS	14	0	0	0	0	14	0	0	0	0
STATE COL AT SALEM	851	0	0	0	0	842	0	0	9	0
STATE COL AT WESTFIELD	115	0	0	0	0	115	0	0	0	0
STATE COL AT WORCESTER	29	0	0	0	0	29	0	0	0	0
STEVENS BUSINESS COL**	12	0	0	0	0	12	0	0	0	0
STONEHILL COL	109	0	0	0	0	109	0	0	0	0
SUFFOLK UNIV	239	0	0	0	0	210	0	0	29	0
SWAIN SCH OF DESIGN	13	0	0	0	0	13	0	0	0	0
TUFTS UNIV	8,101	0	515	0	327	6,595	46	0	618	0
UNIV OF MASSACHUSETTS	11,433	1,479	198	0	611	5,995	516	262	1,918	454
WELLESLEY COL	188	0	17	0	0	96	0	0	75	0
WENTWORTH INST**	478	0	0	0	283	91	0	0	104	0
WESTERN NEW ENGLAND COL	57	0	0	0	0	49	0	0	8	0

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
NEW ENGLAND										
MASSACHUSETTS										
WHEATON COL	85	0	0	0	0	59	0	0	26	0
WHEELOCK COL	265	0	0	0	0	265	0	0	0	0
WILLIAMS COL	175	0	0	0	0	145	0	0	30	0
WORCESTER JR COL**	22	0	0	0	0	22	0	0	0	0
WORCESTER POLYTECH INST	1,028	0	20	0	95	306	0	49	558	0
TOTAL MASSACHUSETTS	223,797	1,548	7,330	887	34,609	104,678	1,352	42,656	27,029	3,708
NEW HAMPSHIRE										
BELKNAP COL	47	0	0	0	0	47	0	0	0	0
CANAAN COL	2	0	0	0	0	2	0	0	0	0
COLBY JR COL	29	0	0	0	0	29	0	0	0	0
DARTMOUTH COL	5,583	0	33	8	730	2,790	0	396	1,626	0
FRANCONIA COL	54	0	0	0	0	54	0	0	0	0
FRANKLIN PIERCE COL	49	0	0	0	0	49	0	0	0	0
GUNSTOCK JR COL	6	0	0	0	0	6	0	0	0	0
MT ST MARY COL	111	0	0	0	0	45	0	0	0	66
NATHANIEL HAWTHORNE COL	69	0	0	0	0	69	0	0	0	0
NEW ENGLAND AERONAUT INST**	72	0	0	0	0	72	0	0	0	0
NEW ENGLAND COL	102	0	0	0	0	102	0	0	0	0
NEW HAMPSHIRE TECH INST**	268	0	0	0	0	268	0	0	0	0
NOTRE DAME COL	45	0	0	0	0	45	0	0	0	0
QUEEN OF PEACE MISSN SEM	132	0	0	0	0	0	0	0	132	0
RIVIER COL	62	0	0	0	0	62	0	0	0	0
ST ANSELM'S COL	476	0	0	0	0	476	0	0	0	0
UNIV OF NEW HAMPSHIRE	6,798	903	10	0	306	3,558	152	1,038	775	56
TOTAL NEW HAMPSHIRE	13,905	903	43	8	1,036	7,674	152	1,434	2,533	122
RHODE ISLAND										
BARRINGTON COL	101	0	0	0	0	101	0	0	0	0
BROWN UNIV	9,412	0	768	5	1,057	5,038	0	197	2,347	0
BRYANT COL	72	0	0	0	0	72	0	0	0	0
JOHNSON&WALES JR COL BUS **	143	0	0	0	0	143	0	0	0	0
MT ST JOSEPH COL	3	0	0	0	0	3	0	0	0	0
PROVIDENCE COL	434	0	0	0	0	403	0	0	31	0
RHODE ISLAND COL	974	0	0	0	0	843	0	0	46	85
RHODE ISLAND JR COL **	333	0	0	0	0	333	0	0	0	0
RHODE ISLAND SCH DESIGN	50	0	0	0	21	29	0	0	0	0
ROGER WILLIAMS COL **	414	0	0	0	0	414	0	0	0	0
SALVE REGINA COL	132	0	0	0	0	132	0	0	0	0
SEMINARY OUR LADY OF PROV	12	0	0	0	0	12	0	0	0	0
UNIV OF RHODE ISLAND	5,308	690	45	0	1,041	2,125	287	0	1,120	0
TOTAL RHODE ISLAND	17,388	690	813	5	2,119	9,648	287	197	3,544	85
VERMONT										
BENNINGTON COL	35	0	0	0	0	29	0	0	6	0
CASTLETON STATE COL	58	0	0	0	0	58	0	0	0	0
CHAMPLAIN COL **	17	0	0	0	0	17	0	0	0	0
COL OF ST JOSEPH THE PROV	8	0	0	0	0	8	0	0	0	0
GODDARD COL	60	0	0	0	0	60	0	0	0	0
GREEN MOUNTAIN COL **	6	0	0	0	0	6	0	0	0	0
JOHNSON STATE COL	106	0	0	0	0	106	0	0	0	0
LYNDON STATE COL	45	0	0	0	0	45	0	0	0	0
MARLBORO COL	13	0	0	0	0	13	0	0	0	0
MIDDLEBURY COL	201	0	0	0	0	115	0	0	86	0
NORWICH UNIV	28	0	0	0	0	24	0	0	4	0
ST MICHAELS COL	262	0	0	0	0	171	0	0	0	91
TRINITY COL	9	0	0	0	0	9	0	0	0	0
UNIV OF VERMONT	7,440	983	46	0	110	5,402	100	50	591	158
VERMONT COL	31	0	0	0	0	31	0	0	0	0
VERMONT TECHNICAL COL**	306	0	0	0	0	306	0	0	0	0
WINDHAM COL	456	0	0	0	0	443	0	0	13	0
TOTAL VERMONT	9,081	983	46	0	110	6,843	100	50	700	249
TOTAL NEW ENGLAND	335,031	6,249	12,058	900	39,488	180,895	2,313	45,059	42,768	5,301
MIDDLE ATLANTIC										
NEW JERSEY										
ALPHONSUS COL**	11	0	0	0	0	11	0	0	0	0
ARCHANGEL COL **	4	0	0	0	0	4	0	0	0	0

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968 (THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
MIDDLE ATLANTIC										
NEW JERSEY										
ATLANTIC COMM COL**	75	0	0	0	0	75	0	0	0	0
BERGEN COUNTY COMM COL**	1,814	0	0	0	0	1,814	0	0	0	0
BETH MEDRASH GEVOHA AMER	116	0	0	0	0	116	0	0	0	0
BLOOMFIELD COL	504	0	0	0	0	504	0	0	0	0
CALDWELL COL FOR WOMEN	48	0	0	0	0	48	0	0	0	0
CAMDEN COUNTY COL**	76	0	0	0	0	76	0	0	0	0
CENTENARY COL FOR WOMEN	15	0	0	0	0	15	0	0	0	0
COL OF ST ELIZABETH	182	0	0	0	0	71	0	0	5	106
COUNTY COL OF MORRIS**	17	0	0	0	0	17	0	0	0	0
CUMBERLAND COUNTY COL**	37	0	0	0	0	37	0	0	0	0
DREW UNIV	190	0	0	0	0	54	0	0	136	0
ESSEX COUNTY COMM COL**	101	0	0	0	0	101	0	0	0	0
FAIRLEIGH DICKINSON UNIV	1,624	0	0	0	15	1,341	0	0	41	227
FELICIAN COL	6	0	0	0	0	6	0	0	0	0
GEORGIAN COURT COL	51	0	0	0	0	51	0	0	0	0
GLASSBORO STATE COL	334	0	0	0	0	197	0	0	62	75
GLOUCESTER COUNTY COL**	29	0	0	0	0	29	0	0	0	0
INST FOR ADVANCED STUDY	687	0	61	0	14	0	0	0	612	0
JERSEY CITY STATE COL	1,582	0	0	0	0	1,582	0	0	0	0
MERCER CNTY CMTY COLLEGE**	108	0	0	0	0	80	7	0	21	0
MIDDLESEX COUNTY COL**	185	0	0	0	0	185	0	0	0	0
MONMOUTH COL	562	0	0	0	0	552	0	0	10	0
MONTCLAIR STATE COL	431	0	0	0	0	331	0	0	100	0
MT ST MARY COL	9	0	0	0	0	9	0	0	0	0
N J COL OF MED & DENT	1,630	0	32	0	19	1,556	0	0	23	0
NEWARK COL OF ENGINEERING	271	0	0	0	63	93	0	23	92	0
NEWARK STATE COL	324	0	0	0	0	324	0	0	0	0
NORTHEASTERN COL BIBLE IN	18	0	0	0	0	18	0	0	0	0
OCEAN COUNTY COL **	83	0	0	0	0	83	0	0	0	0
PATERSON STATE COL	1,322	0	0	0	0	1,322	0	0	0	0
PRINCETON THEOL SEM	3	0	0	0	0	0	0	0	3	0
PRINCETON UNIV	16,537	0	1,398	0	2,174	4,167	0	3,104	5,446	248
RIDER COL	44	0	0	0	0	44	0	0	0	0
RUTGERS, THE STATE UNIV	18,624	1,519	142	0	1,077	10,875	396	837	3,511	267
SETON HALL UNIV	2,661	0	0	0	12	2,472	11	0	54	112
ST PETERS COL	1,071	0	0	0	0	701	0	0	283	87
STEVENS INST OF TECH	2,788	0	236	105	1,180	490	17	102	658	0
TOMBROCK COL**	6	0	0	0	0	6	0	0	0	0
TRENTON STATE COL	496	0	0	0	0	416	0	0	0	80
UNION COL**	41	0	0	0	0	41	0	0	0	0
UPSALA COL	83	0	0	0	0	76	0	0	7	0
WESTMINSTER CHOIR COL	9	0	0	0	0	9	0	0	0	0
TOTAL NEW JERSEY	54,809	1,519	1,869	105	4,554	29,999	431	4,066	11,064	1,202
NEW YORK										
ACADEMY OF AERONAUTICS**	29	0	0	0	0	29	0	0	0	0
ADELPHI UNIV	2,002	0	19	0	13	1,553	0	0	340	77
AGR & TECH COL FARMINGDALE **	271	0	0	0	0	271	0	0	0	0
ALBANY COL OF PHARMACY	16	0	0	0	0	16	0	0	0	0
ALBANY LAW SCHOOL	5	0	0	0	0	5	0	0	0	0
ALBANY MEDICAL COL	4,634	32	23	0	70	4,490	0	0	19	0
ALFRED UNIV	360	0	0	0	0	528	0	0	32	0
BANK STREET COL OF ED	349	0	0	0	0	143	0	0	0	206
BARD COL	35	0	0	0	0	35	0	0	0	0
BARNARD COL	226	0	0	0	20	130	65	0	11	0
BARUCH COL	147	0	0	0	0	147	0	0	0	0
BENNETT COL**	534	0	0	0	0	534	0	0	0	0
BRENTWOOD COL	6	0	0	0	0	6	0	0	0	0
BRIARCLIFF COL	47	0	0	0	0	47	0	0	0	0
BROOKLYN LAW SCHOOL	28	0	0	0	0	28	0	0	0	0
CANISIUS COL	780	0	0	0	0	780	0	0	0	0
CAZENOVIA COL**	27	0	0	0	0	27	0	0	0	0
CEN YESH TOM TMIMIM LUBUZ	45	0	0	0	0	45	0	0	0	0
CLARKSON COL OF TECH	1,184	0	102	0	41	522	5	12	502	0
COL OF INSURANCE	5	0	0	0	0	5	0	0	0	0
COL OF MT ST VINCENT	124	0	0	0	0	118	0	0	6	0
COL OF NEW ROCHELLE	135	0	0	0	0	133	0	0	2	0
COL OF PHARMACEUTICAL SCI	167	0	16	0	0	151	0	0	0	0
COL OF ST ROSE	62	0	0	0	0	59	0	0	3	0
COLGATE UNIV	534	0	1	0	22	157	0	0	354	0
COLUMBIA UNIV†	52,367	0	5,294	43	5,125	30,767	211	1,373	8,769	785
CONCORDIA JR COL**	30	0	0	0	0	30	0	0	0	0
COOPER UNION	169	0	0	0	0	77	0	0	92	0
CORNELL UNIV	39,567	4,002	1,628	0	3,537	19,285	404	707	9,845	159
CUNY BORO OF MAN COMM COL **	301	0	0	0	0	301	0	0	0	0

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
MIDDLE ATLANTIC										
NEW YORK										
CUNY BRONX COMM COL **	2,973	0	0	0	125	2,848	0	0	0	0
CUNY BROOKLYN COL	2,923	0	34	0	29	2,734	0	0	126	0
CUNY CENTRAL SYSTEM*	4,684	0	101	0	0	3,917	0	107	474	85
CUNY CITY COL	2,673	0	0	0	152	1,353	0	0	1,168	0
CUNY HUNTER COL	4,258	0	20	0	0	3,361	0	0	877	0
CUNY KINGSBORO COMM COL**	488	0	0	0	0	343	0	0	18	127
CUNY MT SINAI SCH OF MED	33,710	0	0	0	0	33,679	0	0	31	0
CUNY QUEENS COL	695	0	66	0	32	412	0	0	90	95
CUNY QUEENSBORO COMM COL **	345	0	0	0	0	345	0	0	0	0
CUNY RICHMOND COL	30	0	0	0	0	30	0	0	0	0
CUNY STATEN ISL COMM COL **	99	0	5	0	0	94	0	0	0	0
D'YOUVILLE COL	283	0	0	0	0	283	0	0	0	0
DUDLEY OBSERVATORY	140	0	0	0	0	0	0	0	140	0
ELIZABETH SETON COL**	16	0	0	0	0	16	0	0	0	0
ELMIRA COL	306	0	0	0	0	171	0	0	135	0
FINCH COL	5	0	0	0	0	5	0	0	0	0
FORDHAM UNIV	2,147	0	47	0	16	1,488	0	107	308	181
GOOD COUNSEL COL	27	0	0	0	0	27	0	0	0	0
HAMILTON COL	127	0	0	0	0	42	0	0	85	0
HARTWICK COL	279	0	0	0	0	279	0	0	0	0
HOBART AND WM SMITH COL	47	0	0	0	0	39	0	0	8	0
HOFSTRA UNIV	921	0	0	0	0	725	0	0	28	168
HOUGHTON COL	376	0	0	0	0	376	0	0	0	0
IMMACULATA COL **	41	0	0	0	0	41	0	0	0	0
IONA COL	192	0	0	0	0	174	0	0	18	0
ITHACA COL	419	0	0	0	0	314	0	0	105	0
JEWISH THEOL SEM OF AMER	30	0	0	0	0	30	0	0	0	0
JOHN JAY COL CRIMIN JUST	59	0	0	0	0	59	0	0	0	0
JUILLIARD SCHOOL OF MUSIC	60	0	0	0	0	60	0	0	0	0
KEUKA COL	77	0	0	0	0	77	0	0	0	0
KINGS COL	86	0	0	0	0	80	0	0	6	0
KIRKLAND COLLEGE	6	0	0	0	0	6	0	0	0	0
LADYCLIFF COL	14	0	0	0	0	4	0	0	10	0
LEHMAN COL	297	0	0	0	0	275	0	0	22	0
LEMOYNE COL	283	0	0	0	0	138	0	0	10	135
LEWI COL OF PODIATRY	197	0	0	0	0	197	0	0	0	0
LONG ISLAND UNIV	840	0	22	0	80	618	12	17	91	0
MANHATTAN COL	1,037	0	0	0	63	728	125	0	121	0
MANHATTAN SCH OF MUSIC	93	0	0	0	0	93	0	0	0	0
MANHATTANVILLE COL	195	0	0	0	0	195	0	0	0	0
MANNES COL OF MUSIC	26	0	0	0	0	26	0	0	0	0
MARIA REGINA COL **	26	0	0	0	0	26	0	0	0	0
MARIST COL	299	0	0	0	0	122	0	0	0	177
MARYMOUNT COL	80	0	0	0	0	80	0	0	0	0
MARYMOUNT MANHATTAN COL	256	0	0	0	0	256	0	0	0	0
MATER DEI COL**	18	0	0	0	0	18	0	0	0	0
MEDAILLE COL	6	0	0	0	0	6	0	0	0	0
MERCY COL	39	0	0	0	0	39	0	0	0	0
MES TOR VODAATH RABIN SEM	48	0	0	0	0	48	0	0	0	0
MESIVTHA TIFERETH JERU AM	60	0	0	0	0	60	0	0	0	0
MILLS COL OF EDUCATION	19	0	0	0	0	19	0	0	0	0
MIRRER YESHIVA CENT INST	39	0	0	0	0	39	0	0	0	0
MOLLOY CATHOLIC COL WOMEN	8	0	0	0	0	8	0	0	0	0
MT ST MARY COL	77	0	0	0	0	77	0	0	0	0
N Y CITY COMM COL**	254	0	2	0	0	252	0	0	0	0
NAZARETH COL OF ROCHESTER	89	0	0	0	0	87	0	0	2	0
NEW SCHOOL FOR SOCIAL RES	120	0	0	0	0	80	0	0	40	0
NEW YORK COL OF MUSIC	119	0	0	0	0	119	0	0	0	0
NEW YORK INST OF TECH	879	0	0	0	0	879	0	0	0	0
NEW YORK LAW SCHOOL	5	0	0	0	0	5	0	0	0	0
NEW YORK MEDICAL COL	6,309	0	18	0	98	6,064	0	0	129	0
NEW YORK UNIV	43,399	0	2,050	68	3,519	32,957	174	777	2,892	962
NIAGARA UNIV	165	0	0	0	0	165	0	0	0	0
NOTRE DAME COL STATEN IS	26	0	0	0	0	23	0	0	3	0
PACE COL	591	0	0	0	0	542	0	0	49	0
PARSONS SCHOOL OF DESIGN **	6	0	0	0	0	6	0	0	0	0
PAUL SMITHS COL ARTS SCI **	52	0	0	0	0	52	0	0	0	0
POLYTECHNIC INST OF BKLYN	4,782	0	22	0	1,088	1,190	0	204	2,278	0
PRATT INST	314	0	0	0	0	270	0	0	42	2
QUEEN OF THE APOSTLES COL**	6	0	0	0	0	6	0	0	0	0
RABB COL OF KAMENITZ YESH	57	0	0	0	0	57	0	0	0	0
RABBI JOSEPH RABBINCL COL	72	0	0	0	0	72	0	0	0	0
RABBINICAL SEM OF AMERICA	21	0	0	0	0	21	0	0	0	0
RABBINICL ACAD M R BERLIN	52	0	0	0	0	52	0	0	0	0
RABBINICL COL CHSAN SOFER	54	0	0	0	0	54	0	0	0	0
RENSSELAER POLYTECH INST	6,604	0	1,298	27	1,067	1,166	28	631	2,309	78
ROBERTS WESLEYAN COL	144	0	0	0	0	144	0	0	0	0

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
MIDDLE ATLANTIC										
NEW YORK										
ROCHESTER INST OF TECH	313	0	0	0	0	192	0	0	14	107
ROCKEFELLER UNIV	5,113	0	68	0	48	4,219	0	0	778	0
ROSARY HILL COL	128	0	0	0	0	120	0	0	8	0
RUSSELL SAGE COL	109	0	0	0	0	109	0	0	0	0
SARAH LAWRENCE COL	2,371	0	0	0	0	2,270	0	0	0	101
SKIDMORE COL	136	0	13	0	0	101	0	0	22	0
ST BERNARDINE SIENA COL	159	0	0	0	0	159	0	0	0	0
ST BONAVENTURE UNIV	119	0	1	0	0	100	0	0	18	0
ST CLARE COL**	5	0	0	0	0	5	0	0	0	0
ST FRANCIS COL	1,024	0	0	0	0	1,024	0	0	0	0
ST JOHN FISHER COL	133	0	0	0	0	131	0	0	2	0
ST JOHNS UNIV	563	0	0	0	0	475	0	0	88	0
ST JOSEPHS COL FOR WOMEN	6	0	0	0	0	6	0	0	0	0
ST LAWRENCE UNIV	221	0	0	0	0	128	0	0	93	0
ST THOMAS AQUINAS COL	234	0	0	0	0	234	0	0	0	0
ST VLADIMIRS THEOL SEM	11	0	0	0	0	11	0	0	0	0
SUNY A&T COL ALFRED**	311	0	0	0	0	311	0	0	0	0
SUNY A&T COL CANTON **	130	0	0	0	0	130	0	0	0	0
SUNY A&T COL COBLESKILL**	187	0	0	0	0	187	0	0	0	0
SUNY A&T COL DELHI**	197	0	0	0	0	197	0	0	0	0
SUNY A&T COL MORRISVILLE **	255	0	0	0	0	255	0	0	0	0
SUNY ADIRONDACK CMTY COL **	32	0	0	0	0	32	0	0	0	0
SUNY AUBURN CMTY COL **	29	0	0	0	0	29	0	0	0	0
SUNY BROOME TECH CMTY COL **	127	0	0	0	0	127	0	0	0	0
SUNY CENTRAL SYSTEM*	531	11	0	13	284	109	95	0	19	0
SUNY COL BROCKPORT	336	0	0	0	0	317	19	0	0	0
SUNY COL BUFFALO	1,272	0	0	0	0	1,113	0	0	159	0
SUNY COL CORTLAND	289	0	0	0	0	274	0	0	15	0
SUNY COL FORESTRY SYR U	645	111	0	0	0	272	0	0	262	0
SUNY COL FREDONIA	577	0	0	0	0	480	0	0	97	0
SUNY COL GENESEO	646	0	0	0	0	628	0	0	18	0
SUNY COL NEW PALTZ	279	0	0	0	0	273	0	0	6	0
SUNY COL ONEONTA	366	0	0	0	0	305	0	0	61	0
SUNY COL OSWEGO	409	0	5	0	0	362	0	0	42	0
SUNY COL PLATTSBURGH	553	0	0	0	0	344	0	0	73	136
SUNY COL POTSDAM	343	0	0	0	0	231	0	0	112	0
SUNY CORNING CMTY COL**	504	0	0	0	0	504	0	0	0	0
SUNY DOWNSTATE MED CTR	6,456	0	0	0	0	6,445	0	0	11	0
SUNY DUTCHESS CMTY COL**	46	0	0	0	0	46	0	0	0	0
SUNY ERIE COUNTY CMTY COL **	647	0	0	0	0	647	0	0	0	0
SUNY FASHION INST TECH **	1,401	0	0	0	0	1,401	0	0	0	0
SUNY FULTON-MONT CMTY COL **	94	0	0	0	0	94	0	0	0	0
SUNY GENESEE CMTY COL**	18	0	0	0	0	18	0	0	0	0
SUNY HERKIMER CNTY CMTY C**	18	0	0	0	0	18	0	0	0	0
SUNY HUDSON VAL CMTY COL **	138	0	0	0	0	137	0	0	1	0
SUNY JAMESTOWN CMTY COL **	56	0	0	0	0	56	0	0	0	0
SUNY JEFFERSON CMTY COL **	61	0	0	0	0	61	0	0	0	0
SUNY MARITIME COLLEGE	23	0	0	0	0	23	0	0	0	0
SUNY MOHAWK VAL CMTY COL **	66	0	0	0	0	61	0	0	5	0
SUNY MONROE CMTY COL **	166	0	0	0	0	162	0	0	4	0
SUNY NASSAU CMTY COL **	163	0	0	0	0	163	0	0	0	0
SUNY NIAGARA CNTY CMTY C **	61	0	0	0	0	61	0	0	0	0
SUNY NORTH CNTY CMTY COL **	10	0	0	0	0	10	0	0	0	0
SUNY ONONDAGA CNTY CMTY C**	77	0	0	0	0	77	0	0	0	0
SUNY ORANGE CNTY CMTY COL**	129	0	0	0	0	129	0	0	0	0
SUNY ROCKLAND CMTY COL**	55	0	0	0	0	55	0	0	0	0
SUNY ST U ALBANY	3,955	0	0	0	567	2,546	0	46	671	125
SUNY ST U BINGHAMTON	1,512	0	0	0	0	684	0	0	741	87
SUNY ST U BUFFALO	13,950	0	130	0	1,004	11,545	89	140	826	216
SUNY ST U STONY BROOK	7,320	0	362	0	46	5,536	0	273	1,004	99
SUNY SUFFOLK CNTY CMTY C **	391	0	0	0	0	391	0	0	0	0
SUNY SULLIVAN CNTY CMTY C **	22	0	0	0	0	22	0	0	0	0
SUNY ULSTER CNTY CMTY COL **	85	0	0	0	0	85	0	0	0	0
SUNY UPSTATE MED CTR	4,563	0	57	0	25	4,320	0	0	161	0
SYRACUSE UNIV	16,096	0	300	0	4,539	7,445	169	725	2,552	366
TEACHERS COL	4,068	0	0	0	0	3,740	0	0	158	170
TROCAIRE COL**	12	0	0	0	0	12	0	0	0	0
UNION COL	238	0	0	0	0	165	0	0	73	0
UNION COL & UNIV CEN SYS*	78	0	0	0	0	0	0	0	0	78
UNION THEOL SEMINARY	5	0	0	0	0	5	0	0	0	0
UNIV OF ROCHESTER	25,950	0	5,150	0	1,130	16,232	0	317	3,083	38
VASSAR COL	166	0	0	0	0	69	0	0	97	0
VILLA MARIA COL BUFFALO**	13	0	0	0	0	13	0	0	0	0
VOORHEES TECH INST**	5	0	0	0	0	5	0	0	0	0
WADHAMS HALL	3	0	0	0	0	3	0	0	0	0
WAGNER COL	232	0	0	0	0	232	0	0	0	0
WEBB INST OF NAVAL ARCH	43	0	0	0	40	3	0	0	0	0

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
MIDDLE ATLANTIC										
NEW YORK										
WELLS COL	118	0	0	0	0	27	0	0	91	0
WESTCHESTER COMM COL **	33	0	0	0	0	33	0	0	0	0
YESH BETH SHEAR RABB INST	23	0	0	0	0	23	0	0	0	0
YESHIVA UNIV	22,514	0	153	0	653	20,392	0	75	1,157	84
YORK COL	169	0	0	0	0	169	0	0	0	0
TOTAL NEW YORK	360,897	4,156	17,007	151	23,433	260,287	1,396	5,511	44,112	4,844
PENNSYLVANIA										
ALBRIGHT COL	64	0	0	0	0	64	0	0	0	0
ALLEGHENY COL	727	0	0	0	0	688	0	0	39	0
ALLEGHENY COUNTY COMM COL**	266	0	0	0	0	266	0	0	0	0
ALLIANCE COL	48	0	0	0	0	47	0	0	1	0
ALLNTWN COL ST FR DESALES	127	0	0	0	0	86	0	0	41	0
ALVERNIA COL	33	0	0	0	0	33	0	0	0	0
BEAVER COL	185	0	0	0	0	127	0	0	58	0
BLOOMSBURG STATE COL	230	0	0	0	0	230	0	0	0	0
BRYN MAWR COL	1,067	0	0	0	0	683	0	0	376	8
BUCKNELL UNIV	669	0	0	0	0	439	0	0	172	58
BUCKS COUNTY COMM COL **	30	0	0	0	0	30	0	0	0	0
BUTLER COUNTY COMM COL**	15	0	0	0	0	15	0	0	0	0
CABRINI COL	24	0	0	0	0	24	0	0	0	0
CALIFORNIA STATE COL	1,693	0	0	0	0	1,693	0	0	0	0
CARNEGIE MELLON UNIV	9,415	0	2,099	31	2,844	2,279	299	209	1,618	36
CEDAR CREST COL	46	0	0	0	0	46	0	0	0	0
CHATHAM COL	167	0	0	0	0	134	0	0	33	0
CHESTNUT HILL COL	40	0	0	0	0	40	0	0	0	0
CHEYNEY STATE COL	223	0	0	0	0	223	0	0	0	0
CHRIST THE SAVIOUR SEM	6	0	0	0	0	6	0	0	0	0
CLARION STATE COL	439	0	0	0	0	424	1	0	8	6
COL MISERICORDIA	145	0	0	0	0	145	0	0	0	0
COMM COL OF BEAVER COUNTY**	50	0	0	0	0	50	0	0	0	0
COMM COL OF DELAWARE CNTY**	27	0	0	0	0	27	0	0	0	0
COMM COL OF PHILADELPHIA**	244	0	0	0	0	244	0	0	0	0
CROZER THEOL SEMINARY	26	0	0	0	0	26	0	0	0	0
CURTIS INST OF MUSIC	26	0	0	0	0	26	0	0	0	0
DEL VALLEY COL SCI & AGR	283	0	0	0	0	283	0	0	0	0
DICKINSON COL	352	0	8	0	0	150	0	0	194	0
DREXEL INST OF TECH	2,381	0	25	12	212	1,436	30	357	309	0
DROPSIE COL HEBR COG LRNG	20	0	0	0	0	20	0	0	0	0
DUQUESNE UNIV	868	0	42	0	0	775	0	0	51	0
EAST STROUDSBRG STATE COL	87	0	0	0	0	87	0	0	0	0
EASTERN BAPTIST COL	40	0	0	0	0	40	0	0	0	0
EASTERN PILGRIM COL	41	0	0	0	0	41	0	0	0	0
EDINBORO STATE COL	236	0	0	0	0	236	0	0	0	0
ELIZABETHTOWN COL	619	0	0	0	0	610	0	0	9	0
ELLEN CUSHING JR COL**	186	0	0	0	0	186	0	0	0	0
FRANKLIN AND MARSHALL COL	660	0	0	0	0	276	7	0	262	115
GANNON COL	460	0	0	0	0	374	0	0	16	70
GENEVA COL	346	0	1	0	0	291	0	0	54	0
GETTYSBURG COL	328	0	0	0	0	80	0	0	248	0
GWYNEDD-MERCY COL	34	0	0	0	0	34	0	0	0	0
HAHNEMANN MED COL & HOSP	11,148	0	0	0	25	11,107	0	0	16	0
HARCUM JR COL**	22	0	0	0	0	22	0	0	0	0
HARRISBURG AREA COMM COL**	104	0	0	0	0	104	0	0	0	0
HAVERFORD COL	532	0	0	0	0	242	0	0	290	0
HOLY FAMILY COL	21	0	0	0	0	21	0	0	0	0
IMMACULATA COL	684	0	0	0	0	681	0	0	3	0
INDIANA UNIV OF PA	1,253	1	2	0	0	1,239	0	0	11	0
JEFFERSON MED COL PHILA	7,495	0	59	0	105	7,313	0	0	18	0
JUNIATA COL	151	0	0	0	0	78	0	0	73	0
KEYSTONE JR COL**	81	0	0	0	0	72	0	0	9	0
KINGS COL	533	0	0	0	0	533	0	0	0	0
KUTZTOWN STATE COL	107	0	0	0	0	107	0	0	0	0
LA ROCHE COL	58	0	0	0	0	58	0	0	0	0
LAFAYETTE COL	87	0	0	0	17	50	0	0	20	0
LASALLE COL	876	0	0	0	0	869	0	0	7	0
LEBANON VALLEY COL	76	0	7	0	0	69	0	0	0	0
LEHIGH COUNTY COMM COL **	15	0	0	0	0	15	0	0	0	0
LEHIGH UNIV	4,056	0	58	27	248	969	157	138	2,459	0
LINCOLN UNIV	1,134	0	0	0	0	739	0	0	271	124
LOCK HAVEN STATE COL	341	0	0	0	0	217	0	0	0	124
LUTHERAN THEOL SEMINARY	27	0	0	0	0	27	0	0	0	0
LUZERNE COUNTY COMM COL **	28	0	0	0	0	28	0	0	0	0
LYCOMING COL	431	0	0	0	0	420	0	0	11	0
MANOR JR COL **	19	0	0	0	0	19	0	0	0	0

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
MIDDLE ATLANTIC										
PENNSYLVANIA										
MANSFIELD STATE COL	704	0	0	0	0	639	0	0	0	65
MARYWOOD COL	278	0	0	0	0	278	0	0	0	0
MERCYHURST COL	74	0	0	0	0	70	0	0	4	0
MESSIAH COL	450	0	0	0	0	450	0	0	0	0
MILLERSVILLE STATE COL	271	0	0	0	0	207	0	0	64	0
MONTGOMERY CNTY COMM COL**	4,341	0	0	0	0	4,341	0	0	0	0
MOORE COL OF ART	6	0	0	0	0	6	0	0	0	0
MORAVIAN COL	57	0	0	0	0	57	0	0	0	0
MT ALOYSIUS JR COL**	39	0	0	0	0	39	0	0	0	0
MT MERCY COL	741	0	0	0	0	421	0	0	9	311
MUHLENBERG COL	54	0	0	0	0	41	0	0	13	0
NORTHAMPTON CNTY COMM COL**	37	0	0	0	0	37	0	0	0	0
NORTHEASTN CHRISTN JR COL**	35	0	0	0	0	35	0	0	0	0
OUR LADY OF ANGELS COL	11	0	0	0	0	11	0	0	0	0
PA ST COL CEN SYS*	426	0	0	72	105	35	29	0	0	185
PEIRCE JR COL**	41	0	0	0	0	41	0	0	0	0
PENNA MILITARY COL	185	0	0	0	0	121	0	0	64	0
PENNSYLVANIA COL OPTOMET	1,681	C	0	0	0	1,681	0	0	0	0
PENNSYLVANIA COL PODIATRY	398	0	0	0	0	398	0	0	0	0
PENNSYLVANIA STATE UNIV	20,100	4,616	600	0	835	9,460	163	776	3,385	265
PHILA COL OF PHARM & SCI	145	0	16	0	0	88	0	0	41	0
PHILA COL OF TEXT & SCI	72	0	0	0	4	68	0	0	0	0
PHILA COL OSTEOPATHIC MED	82	0	0	0	0	82	0	0	0	0
PHILADELPHIA COL OF ART	78	0	0	0	0	78	0	0	0	0
PHILADELPHIA COL OF BIBLE	109	0	0	0	0	109	0	0	0	0
PHILADELPHIA MUSICAL ACAD	67	0	0	0	0	67	0	0	0	0
POINT PARK COL	305	0	0	0	0	269	0	0	36	0
ROBERT MORRIS JR COL**	71	0	0	0	0	71	0	0	0	0
ROSEMONT COL	167	0	0	0	0	25	0	0	142	0
SETON HILL COL	265	0	0	0	0	260	0	0	5	0
SHIPPENSBURG STATE COL	166	0	0	0	0	160	0	0	6	0
SLIPPERY ROCK STATE COL	928	0	0	0	0	928	0	0	0	0
SPRING GARDEN INST**	18	0	0	0	0	18	0	0	0	0
ST FIDELIS COL & SEMINARY	42	0	0	0	0	42	0	0	0	0
ST FRANCIS COL	224	0	0	0	0	116	0	0	0	108
ST JOSEPHS COL	181	0	10	0	0	130	0	0	41	0
ST VINCENT COL	337	0	0	0	0	311	0	0	26	0
SUSQUEHANNA UNIV	80	0	0	0	0	68	0	0	12	0
SWARTHMORE COL	356	0	0	0	0	79	0	0	180	97
TEMPLE UNIV	13,326	0	138	0	302	11,475	40	178	632	561
THIEL COL	308	0	0	0	0	219	0	0	89	0
UNIV OF PENNSYLVANIA	35,351	3	372	4	1,778	26,322	140	225	4,954	1,553
UNIV OF PITTSBURGH	24,397	0	465	0	1,409	18,084	248	1,240	2,881	70
UNIV OF SCRANTON	631	0	0	0	0	599	0	0	32	0
URSINUS COL	47	0	0	0	0	47	0	0	0	0
VALLEY FORGE MILIT JR COL**	5	0	0	0	0	5	0	0	0	0
VILLA MARIA COL	134	0	0	0	0	134	0	0	0	0
VILLANOVA UNIV	573	0	0	0	195	238	0	18	122	0
WASHINGTON & JEFFERSN COL	56	0	0	0	0	32	0	0	24	0
WATSON SCH OF PHYSIATRICS	27	0	0	0	0	27	0	0	0	0
WAYNESBURG COL	99	0	0	0	0	79	0	0	20	0
WEST CHESTER STATE COL	295	0	0	0	0	238	0	0	57	0
WESTMINSTER COL	53	0	0	0	0	46	0	0	7	0
WILKES COL	4[illegible]	0	15	0	0	259	0	0	134	67
WILLIAMSPORT AREA COM COL**	119	0	0	0	0	119	0	0	0	0
WILSON COL	85	0	0	0	0	52	0	0	33	0
WOMANS MECICAL COL OF PA	2,192	0	0	0	0	2,018	0	0	174	0
YORK JR CCL**	70	0	0	0	0	70	0	0	0	0
TOTAL PENNSYLVANIA	164,117	4,620	3,917	146	8,079	119,413	1,114	3,141	19,864	3,823
TOTAL MIDDLE ATLANTIC	579,823	10,295	22,793	402	36,066	409,699	2,941	12,718	75,040	9,869
EAST NORTH CENTRAL										
ILLINOIS										
AUGUSTANA COL	349	0	0	0	0	311	0	0	38	0
AURORA COL	55	0	0	0	0	49	0	0	6	0
BARAT COL OF SACRED HEART	344	0	0	0	0	149	0	0	0	195
BELLEVILLE JR COL**	16	0	0	0	0	16	0	0	0	0
BLACK HAWK COL**	1,031	0	0	0	0	1,031	0	0	0	0
BLACKBURN CCL	241	0	0	0	0	241	0	0	0	0
BRADLEY UNIV	819	0	0	0	0	729	0	0	90	0
CANTON COMM COL	7	0	0	0	0	7	0	0	0	0
CARL SANCBURG COL**	6	0	0	0	0	6	0	0	0	0
CENTRAL YMCA COMM COL**	1,280	0	0	0	0	1,280	0	0	0	0
CHICAGO CITY COL**	972	0	0	0	0	809	0	0	45	118

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
EAST NORTH CENTRAL										
ILLINOIS										
CHICAGO COL OF OSTEOPATHY	305	0	0	0	0	305	0	0	0	0
CHICAGO MEDICAL SCHOOL	1,341	0	0	0	0	1,341	0	0	0	0
CHICAGO STATE COL	278	0	0	0	0	278	0	0	0	0
CHICAGO-KENT COL OF LAW	6	0	0	0	0	6	0	0	0	0
COL OF DU PAGE**	70	0	0	0	0	70	0	0	0	0
COL OF ST FRANCIS	40	0	0	0	0	40	0	0	0	0
COLUMBIA COL	7	0	0	0	0	7	0	0	0	0
CONCORDIA TCHRS COL	106	0	0	0	0	106	0	0	0	0
DANVILLE JR COL**	114	0	0	0	0	108	0	0	6	0
DEPAUL UNIV	1,262	0	0	0	0	1,055	0	0	207	0
EASTERN ILLINOIS UNIV	633	0	0	0	0	522	21	0	90	0
ELGIN COMM COL**	16	0	0	0	0	16	0	0	0	0
ELMHURST COL	91	0	0	0	0	76	0	0	15	0
EUREKA COL	213	0	0	0	0	211	0	0	2	0
GEORGE WILLIAMS COL	184	0	0	0	0	184	0	0	0	0
GREENVILLE COL	685	0	0	0	0	485	0	0	200	0
HEBREW THEOL COL	42	0	0	0	0	42	0	0	0	0
HIGHLAND COMM COL**	20	0	0	0	0	20	0	0	0	0
ILLINOIS CENTRAL COL**	55	0	0	0	0	55	0	0	0	0
ILLINOIS COL	69	0	0	0	0	67	0	0	2	0
ILLINOIS COL OF OPTOMETRY	288	0	0	0	0	288	0	0	0	0
ILLINOIS COL OF PODIATRY	279	0	0	0	0	279	0	0	0	0
ILLINOIS INST OF TECH	4,627	0	182	0	964	1,088	64	284	1,995	50
ILLINOIS ST UNIV	3,208	0	21	0	0	3,061	0	0	126	0
ILLINOIS WESLEYAN UNIV	1,022	0	0	0	0	993	0	0	29	0
IMMACULATA COL**	3	0	0	0	0	3	0	0	0	0
JOLIET JR COL**	33	0	0	0	0	33	0	0	0	0
JUDSON COL	57	0	0	0	0	57	0	0	0	0
KASKASKIA COL**	152	0	0	0	0	152	0	0	0	0
KENDALL COL**	55	0	0	0	0	32	0	0	23	0
KNOX COL	1,184	0	0	0	0	1,003	0	0	181	0
LAKE FOREST COL	209	0	0	0	0	106	0	0	103	0
LAKE LAND COL**	6	0	0	0	0	6	0	0	0	0
LASALLE-PERU-OGLES JR COL**	74	0	0	0	0	74	0	0	0	0
LEWIS COL	384	0	4	0	0	371	0	0	9	0
LINCOLN CHRISTIAN COL	9	0	0	0	0	9	0	0	0	0
LINCOLN COL**	37	0	0	0	0	37	0	0	0	0
LOYOLA UNIV	4,131	0	6	0	74	3,734	0	0	202	115
MACCORMAC COL **	41	0	0	0	0	41	0	0	0	0
MACMURRAY COL	134	0	4	0	0	130	0	0	0	0
MARYKNOLL COL	23	0	0	0	0	23	0	0	0	0
MCKENDREE COL	57	0	0	0	0	57	0	0	0	0
MILLIKIN UNIV	151	0	0	0	0	151	0	0	0	0
MONMOUTH COL	126	0	0	0	0	97	0	0	29	0
MONTICELLO COL**	29	0	0	0	0	29	0	0	0	0
MUNDELEIN COL	283	0	0	0	0	187	0	0	16	80
NAT COL OF EDUCATION	70	0	0	0	0	70	0	0	0	0
NORTH CENTRAL COL	781	0	0	0	0	774	0	0	7	0
NORTH PARK COL	72	0	0	0	0	72	0	0	0	0
NORTHEASTERN ILL ST COL	615	0	0	0	0	615	0	0	0	0
NORTHERN ILLINOIS UNIV	1,524	0	0	0	0	1,144	0	0	258	122
NORTHWESTERN UNIV	17,519	0	340	10	861	11,558	66	540	3,773	371
OLIVET NAZARENE COL	229	0	0	0	0	229	0	0	0	0
OLNEY COMM COL**	6	0	0	0	0	6	0	0	0	0
PARKLAND COL **	718	0	0	0	0	704	0	0	14	0
PRAIRIE STATE COL**	676	0	0	0	0	676	0	0	0	0
QUINCY COL	148	0	0	0	0	123	0	0	25	0
REND LAKE COL**	13	0	0	0	0	13	0	0	0	0
ROBERT MORRIS COL**	18	0	0	0	0	18	0	0	0	0
ROCK VALLEY COL **	130	0	0	0	0	130	0	0	0	0
ROOSEVELT UNIV	766	0	0	0	5	378	0	0	307	76
ROSARY COL	192	0	0	0	8	184	0	0	0	0
SAUK VALLEY COL **	67	0	0	0	0	67	0	0	0	0
SCHOOLS OF THE ART INST	64	0	0	0	0	64	0	0	0	0
SHIMER COL	15	0	0	0	0	15	0	0	0	0
SOUTHEASTERN ILLINOIS COL**	20	0	0	0	0	20	0	0	0	0
SOUTHERN ILLINOIS UNIV	4,285	76	0	95	55	3,108	40	28	533	350
SPRINGFIELD JR COL**	5	0	0	0	0	5	0	0	0	0
ST DOMINIC COL	40	0	0	0	0	40	0	0	0	0
ST MARY OF THE LAKE SEM	36	0	0	0	0	36	0	0	0	0
ST PROCOPIUS COL	166	0	83	0	0	79	0	0	4	0
ST XAVIER COL	339	0	0	0	0	326	0	0	13	0
THORNTON JR COL **	1,144	0	0	0	0	1,144	0	0	0	0
TRINITY CHRISTIAN COL **	270	0	0	0	0	270	0	0	0	0
TRINITY COL	213	0	0	0	0	213	0	0	0	0
TRITON COL**	23	0	0	0	0	23	0	0	0	0
UNIV OF CHICAGO	43,005	0	5,368	589	1,812	24,278	53	2,358	7,868	679

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
EAST NORTH CENTRAL										
ILLINOIS										
UNIV OF ILLINOIS SYS OFF	35	0	0	0	0	0	0	0	35	0
UNIV OF ILLINOIS-CHGO CIR	3,450	0	38	0	43	1,965	0	139	1,200	65
UNIV OF ILLINOIS-MED CTR	6,962	0	0	0	112	6,818	0	0	32	0
UNIV OF ILLINOIS-URBANA	47,721	4,096	5,310	51	9,979	18,505	431	700	8,433	216
WABASH VALLEY COL**	26	0	0	0	0	26	0	0	0	0
WAUBONSEE COMMUNITY COL**	14	0	0	0	0	14	0	0	0	0
WESTERN ILLINOIS UNIV	1,938	23	0	0	0	1,839	0	0	76	0
WHEATON COL	77	0	0	0	0	77	0	0	0	0
WILLIAM RAINEY HARPER COL**	68	0	0	0	0	68	0	0	0	0
WINSTON CHURCHILL COL**	8	0	0	0	0	8	0	0	0	0
TOTAL ILLINOIS	160,727	4,195	11,356	745	13,913	97,365	675	4,049	25,992	2,437
INDIANA										
ANCILLA DOMINI COL **	5	0	0	0	0	5	0	0	0	0
ANDERSON COL	1,301	0	0	0	0	1,301	0	0	0	0
BALL STATE UNIV	2,397	0	0	0	0	2,039	0	0	358	0
BETHEL COL	46	0	0	0	0	46	0	0	0	0
BUTLER UNIV	48	0	11	0	0	11	0	0	26	0
CHRISTIAN THEOL SEM	56	0	0	0	0	56	0	0	0	0
CONDORDIA SENIOR COL	8	0	0	0	0	8	0	0	0	0
DEPAUW UNIV	271	0	0	0	0	168	0	0	103	0
EARLHAM COL	1,802	0	0	0	0	1,377	0	0	332	93
FORT WAYNE ART SCHOOL	518	0	0	0	0	518	0	0	0	0
FRANKLIN COL	102	0	0	0	0	57	0	0	45	0
GOSHEN COL	202	0	0	0	0	202	0	0	0	0
GRACE THEOL SEM	91	0	0	0	0	91	0	0	0	0
HANOVER COL	9	0	0	0	0	0	0	0	9	0
HUNTINGTON COL	85	0	0	0	0	85	0	0	0	0
INDIANA CENTRAL COL	58	0	0	0	0	52	0	0	6	0
INDIANA INST OF TECH	18	0	0	0	0	18	0	0	0	0
INDIANA STATE UNIV	1,740	0	0	0	0	1,554	0	0	85	101
INDIANA UNIV	32,325	14	204	0	1,195	23,284	6	239	7,261	122
MANCHESTER COL	312	0	0	0	0	138	0	0	174	0
MARIAN COL	208	0	0	0	0	208	0	0	0	0
MARION COL	200	0	0	0	0	200	0	0	0	0
OAKLAND CITY COL	134	0	0	0	0	134	0	0	0	0
PURDUE UNIV	25,028	4,085	1,776	185	2,592	10,197	178	676	5,161	178
ROSE POLYTECH INST	167	0	0	0	0	104	0	10	53	0
ST BENEDICT COL	179	0	0	0	0	179	0	0	0	0
ST FRANCIS COL	54	0	0	0	0	54	0	0	0	0
ST JOSEPHS COL	347	0	0	0	0	330	0	0	17	0
ST MARY-OF-THE-WOODS COL	228	0	0	0	0	228	0	0	0	0
ST MARYS COL	161	0	0	0	0	113	0	0	7	41
ST MEINRAD COL	17	0	0	0	0	17	0	0	0	0
TAYLOR UNIV	155	0	0	0	0	155	0	0	0	0
TRI-ST COL	801	0	0	0	0	799	0	0	2	0
UNIV OF EVANSVILLE	276	0	0	0	0	269	0	0	7	0
UNIV OF NOTRE DAME	7,663	0	1,715	0	1,535	2,353	139	170	1,665	86
VALPARAISO UNIV	522	0	0	0	0	412	0	0	110	0
VINCENNES UNIV**	1,044	0	0	0	0	981	0	0	0	63
WABASH COL	220	0	0	0	0	12	0	0	208	0
TOTAL INDIANA	78,798	4,099	3,706	185	5,322	47,755	323	1,095	15,629	684
MICHIGAN										
ADRIAN COL	51	0	0	0	0	50	0	0	1	0
ALBION COL	178	0	0	0	0	151	0	0	27	0
ALMA COL	142	0	0	0	0	124	0	0	18	0
ALPENA COMM COL**	936	0	0	81	0	855	0	0	0	0
ANDREWS UNIV	147	0	0	0	0	110	0	0	37	0
AQUINAS COL	138	0	0	0	0	138	0	0	0	0
BAY DE NOC COMM COL**	55	0	0	0	0	55	0	0	0	0
CALVIN COL	1,217	0	0	0	14	1,053	0	0	0	150
CENTRAL MICH UNIV	533	0	0	60	0	345	5	0	123	0
CONCORDIA LUTHERAN JR COL**	5	0	0	0	0	3	0	0	2	0
DAVENPORT COL OF BUSINESS **	82	0	0	0	0	82	0	0	0	0
DE LIMA JR COL **	18	0	0	0	0	18	0	0	0	0
DELTA COL **	124	0	0	0	0	122	0	0	2	0
DETROIT COL OF LAW	5	0	0	0	0	5	0	0	0	0
DETROIT INST OF TECH	56	0	0	0	0	56	0	0	0	0
DUNS SCOTUS COL	8	0	0	0	0	8	0	0	0	0
EASTERN MICHIGAN UNIV	1,531	0	0	0	0	1,432	0	0	30	69
FERRIS ST COL	1,296	0	0	0	0	1,296	0	0	0	0
FLINT COMM JR COL**	114	0	0	0	0	114	0	0	0	0

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968

(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
EAST NORTH CENTRAL										
MICHIGAN										
GLEN OAKS COMM COL **	93	0	0	0	0	93	0	0	0	0
GOGEBIC COMM COL**	779	0	0	0	0	779	0	0	0	0
GRAND RAPIDS BAPT COL	16	0	0	0	0	16	0	0	0	0
GRAND RAPIDS JR COL **	193	0	0	0	0	193	0	0	0	0
GRAND VALLEY STATE COL	217	0	0	0	0	211	0	0	6	0
HENRY FORD COMM COL **	65	0	0	0	0	65	0	0	0	0
HIGHLAND PARK COMM COL **	73	0	0	0	0	73	0	0	0	0
HILLSDALE COL	51	0	0	0	0	51	0	0	0	0
HOPE COL	459	0	0	0	0	177	0	0	282	0
JACKSON COMM COL**	37	0	0	0	0	37	0	0	0	0
KALAMAZOO COL	140	0	0	0	5	96	0	0	39	0
KALAMAZOO VALLEY COMM COL **	769	0	0	0	0	769	0	0	0	0
KELLOGG COMM COL**	84	0	0	0	0	84	0	0	0	0
KIRTLAND COMM COL **	30	0	0	0	0	30	0	0	0	0
LAKE MICHIGAN COL **	845	0	0	0	0	845	0	0	0	0
LANSING COMM COL **	102	0	0	0	0	102	0	0	0	0
LAWRENCE INST OF TECH	112	0	0	0	0	100	0	0	12	0
LEWIS BUSINESS COL	14	0	0	0	0	14	0	0	0	0
MACKINAC COL	107	0	0	0	0	107	0	0	0	0
MACOMB COUNTY COMM COL**	1,814	0	0	0	0	1,814	0	0	0	0
MADONNA COL	1,241	0	0	0	0	1,241	0	0	0	0
MARYGROVE COL	307	0	0	0	0	268	0	0	39	0
MERCY COL OF DETROIT	246	0	0	0	0	246	0	0	0	0
MERRILL-PALMER INST	18	0	0	0	0	18	0	0	0	0
MICH TECHNOLOGICAL UNIV	3,332	27	97	0	68	2,414	33	12	564	117
MICHIGAN CHRISTIAN JR COL **	23	0	0	0	0	23	0	0	0	0
MICHIGAN LUTHERAN COL	25	0	0	0	0	25	0	0	0	0
MICHIGAN STATE UNIV	31,549	3,901	2,330	0	586	15,368	170	10	8,781	403
MONROE COUNTY COMM COL**	58	0	0	0	0	58	0	0	0	0
MONTCALM COUNTY COMM COL**	715	0	0	0	0	715	0	0	0	0
MUSKEGON COUNTY COMM COL **	63	0	0	0	0	63	0	0	0	0
NAZARETH COL	53	0	0	0	0	53	0	0	0	0
NORTH CENTRAL MICH COL**	8	0	0	0	0	8	0	0	0	0
NORTHEASTERN SCH OF COMM	55	0	0	0	0	55	0	0	0	0
NORTHERN MICHIGAN UNIV	2,699	0	0	0	0	442	0	0	118	2,139
NORTHWESTERN MICH COL**	332	0	0	0	0	332	0	0	0	0
NORTHWOOD INST **	17	0	0	0	0	17	0	0	0	0
OAKLAND COMM COL **	897	0	0	0	0	897	0	0	0	0
OAKLAND UNIV	1,442	0	31	0	0	413	0	0	919	79
OLIVET COL	81	0	0	0	0	81	0	0	0	0
OWOSSO COL	53	0	0	0	0	53	0	0	0	0
SACRED HEART SEM	31	0	0	0	0	31	0	0	0	0
SAGINAW VALLEY COL	42	0	0	0	0	42	0	0	0	0
SCHOOLCRAFT COL **	93	0	0	0	0	93	0	0	0	0
SIENA HEIGHTS COL	6	0	0	0	0	6	0	0	0	0
SOUTHWESTERN MICH COL **	89	0	0	0	0	89	0	0	0	0
SPRING ARBOR COL	761	0	0	0	0	761	0	0	0	0
ST CLAIR COUNTY COMM COL**	56	0	0	0	0	56	0	0	0	0
ST MARYS COL	15	0	0	0	0	15	0	0	0	0
SUOMI COL**	86	0	0	0	0	86	0	0	0	0
UNIV OF DETROIT	1,505	0	0	14	66	1,209	40	23	153	0
UNIV OF MICHIGAN	56,651	234	2,651	175	9,704	32,031	828	3,960	5,562	1,506
WASHTENAW COMM COL**	850	0	0	0	0	850	0	0	0	0
WAYNE STATE UNIV	12,950	1	174	0	277	10,725	44	30	1,204	495
WESTERN MICH UNIV	2,866	91	15	0	26	1,953	5	10	570	196
TOTAL MICHIGAN	131,851	4,254	5,298	330	10,746	82,410	1,125	4,045	18,489	5,154
OHIO										
ANTIOCH COL	737	0	0	0	0	505	0	0	232	0
ART ACADEMY OF CINCINNATI	6	0	0	0	0	6	0	0	0	0
ASHLAND COL	931	0	0	0	0	863	68	0	0	0
BALDWIN-WALLACE COL	361	0	0	0	0	192	0	0	90	79
BLUFFTON COL	689	0	0	0	0	642	0	0	47	0
BORROMEO SEMINARY OF OHIO	3	0	0	0	0	3	0	0	0	0
BOWLING GREEN STATE UNIV	1,575	0	1	0	7	1,111	0	111	224	121
CAPITAL UNIV	962	0	0	0	0	877	0	0	85	0
CASE WESTERN RESERVE UNIV	32,460	0	1,325	0	1,291	23,734	0	592	4,899	619
CENTRAL STATE UNIV	759	0	0	0	0	530	11	0	93	125
CLEVELAND INST OF MUSIC	26	0	0	0	0	26	0	0	0	0
CLEVELAND STATE UNIV	1,396	0	0	0	0	1,338	0	0	58	0
COL MT ST JOSEPH-ON-OHIO	41	0	0	0	0	41	0	0	0	0
COL OF STEUBENVILLE	87	0	0	0	0	87	0	0	0	0
COL OF WOOSTER	128	0	0	0	0	59	0	4	65	0
COLUMBUS COL ART & DESIGN	46	0	0	0	0	46	0	0	0	0
CUYAHOGA COMM COL**	260	0	0	0	0	260	0	0	0	0

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION,
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
EAST NORTH CENTRAL										
OHIO										
DEFIANCE COL	183	0	0	0	0	113	0	0	70	0
DENISON UNIV	1,473	0	0	0	0	1,444	0	0	29	0
DYKE COL	15	0	0	0	0	15	0	0	0	0
EDGECLIFF COLLEGE	74	0	0	0	0	74	0	0	0	0
FINDLAY COL	372	0	0	0	0	372	0	0	0	0
FRANKLIN UNIV	5	0	0	0	0	5	0	0	0	0
HEIDELBERG COL	81	0	0	0	0	71	0	0	10	0
HIRAM COL	85	0	0	0	0	73	0	0	12	0
JOHN CARROLL UNIV	609	0	19	0	129	374	0	0	87	0
KENT STATE UNIV	3,032	0	0	6	181	2,466	34	48	297	0
KENYON COL	878	0	0	0	0	694	10	0	174	0
LAKE ERIE COL	12	0	0	0	0	10	0	0	2	0
LORAIN COUNTY COMM COL**	112	0	0	0	0	112	0	0	0	0
MALONE COL	68	0	0	0	0	68	0	0	0	0
MARIETTA COL	141	0	0	0	0	141	0	0	0	0
MARY MANSE COL	18	0	0	0	0	17	0	0	1	0
MED COL OF OHIO AT TOLEDO	402	0	0	0	0	402	0	0	0	0
MIAMI UNIV	2,885	0	0	0	114	2,350	0	0	421	0
MT UNION COL	412	0	0	0	0	401	0	0	11	0
MT VERNON NAZARENE COL**	23	0	0	0	0	23	0	0	0	0
MUSKINGUM COL	938	0	0	0	0	900	0	0	38	0
NOTRE DAME COL	429	0	0	0	0	429	0	0	0	0
OBERLIN COL	741	0	0	0	0	368	0	0	373	0
OHIO COL OF APPLIED SCI **	35	0	0	0	0	35	0	0	0	0
OHIO COL OF PODIATRY	212	0	0	0	0	212	0	0	0	0
OHIO DOMINICAN COL	174	0	0	0	0	108	0	0	0	66
OHIO NORTHERN UNIV	175	0	0	0	0	173	0	0	2	0
OHIO STATE UNIV	35,871	4,818	594	0	3,737	21,465	395	687	3,997	178
OHIO TECH INST **	13	0	0	0	0	13	0	0	0	0
OHIO UNIV	6,799	7	11	0	713	4,592	0	0	983	493
OHIO WESLEYAN UNIV	440	0	0	0	0	110	0	0	186	144
OTTERBEIN COL	879	0	0	0	12	867	0	0	0	0
PONTIFICAL COL JOSEPHINUM	43	0	0	0	0	43	0	0	0	0
RABBINICAL COL OF TELSHE	49	0	0	0	0	49	0	0	0	0
RIO GRANDE COL	725	0	0	0	0	725	0	0	0	0
SALMON CHASE COL SCH LAW	6	0	0	0	0	6	0	0	0	0
SCH OF THE DAYTON ART INS	11	0	0	0	0	11	0	0	0	0
SINCLAIR COL**	82	0	0	0	0	82	0	0	0	0
ST JOHN COL OF CLEVELAND	95	0	0	0	0	95	0	0	0	0
TIFFIN UNIV	5	0	0	0	0	5	0	0	0	0
UNIV OF AKRON	1,796	0	0	5	53	1,348	59	0	331	0
UNIV OF CINCINNATI	11,302	0	42	0	1,522	8,514	120	171	846	87
UNIV OF DAYTON	5,161	0	0	10	3,805	1,224	0	0	122	0
UNIV OF TOLEDO	1,085	0	112	0	0	698	20	0	130	125
URBANA COL	50	0	0	0	0	50	0	0	0	0
URSULINE COL	125	0	0	0	0	125	0	0	0	0
WALSH COL	143	0	0	0	0	54	0	0	0	89
WESTERN COL FOR WOMEN	25	0	0	0	0	25	0	0	0	0
WILBERFORCE UNIV	1,549	0	0	0	0	1,549	0	0	0	0
WILMINGTON COL	80	0	0	0	0	80	0	0	0	0
WITTENBERG UNIV	496	0	0	0	0	194	0	0	161	141
XAVIER UNIV	146	0	0	0	0	131	0	13	2	0
YOUNGSTOWN STATE UNIV	250	1	0	0	0	183	0	0	10	56
TOTAL OHIO	121,277	4,826	2,104	21	11,564	84,008	717	1,626	14,088	2,323
WISCONSIN										
ALVERNO COL	203	0	0	0	0	201	0	0	2	0
BELOIT COL	368	0	0	0	0	144	0	0	224	0
CARDINAL STRITCH COL	21	0	0	0	0	21	0	0	0	0
CARROLL COL	96	0	0	0	0	89	0	0	7	0
CARTHAGE COL	86	0	0	0	0	86	0	0	0	0
COLUMBIA COUNTY TCHRS COL **	2	0	0	0	0	2	0	0	0	0
CONCORDIA COL **	12	0	0	0	0	12	0	0	0	0
DE SALES PREP SEMINARY **	3	0	0	0	0	3	0	0	0	0
DODGE COUNTY TCHRS COL **	7	0	0	0	0	7	0	0	0	0
DOMINICAN COL	53	0	0	0	0	37	0	0	16	0
EDGEWOOD COL	62	0	0	0	0	41	0	0	21	0
HOLY FAMILY COL	12	0	0	0	0	12	0	0	0	0
JUNEAU COUNTY TCHRS COL **	2	0	0	0	0	2	0	0	0	0
KENOSHA TECHNICAL INST **	7	0	0	0	0	7	0	0	0	0
LAKELAND COL	92	0	0	0	0	92	0	0	0	0
LAWRENCE UNIV	464	0	0	0	0	158	0	0	306	0
LAYTON SCHOOL OF ART	6	0	0	0	0	6	0	0	0	0
MADISON VOC TECH SCH**	200	0	0	0	0	200	0	0	0	0
MARIAN COL OF FOND DU LAC	25	0	0	0	0	25	0	0	0	0

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION,
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
EAST NORTH CENTRAL										
WISCONSIN										
MARQUETTE UNIV	6,157	0	77	0	149	4,821	20	29	965	96
MILTCN COL	122	0	0	0	0	122	0	0	C	0
MILWAUKEF INST OF TECH**	165	0	0	0	0	165	0	0	0	0
MILWAUKEE SCHOOL OF ENG	1,029	0	0	0	0	1,020	0	0	9	0
MT MARY COL	98	0	0	0	0	98	0	0	0	0
MT SENARIO COL	81	0	0	0	0	81	0	0	0	0
MT ST PAUL COL	28	0	0	0	0	28	0	0	0	0
NORTH CENTRAL TECH INST **	44	0	0	0	0	44	0	0	0	0
NORTHLAND COL	148	0	0	0	0	148	0	0	0	0
POLK COUNTY TCHRS COL**	2	0	0	0	0	2	0	0	0	0
RIPON COL	377	0	0	0	0	123	0	0	181	73
SAUK COUNTY TCHRS COL**	3	0	0	0	0	3	0	0	0	0
ST LAWRENCE SEMINARY**	3	0	0	0	0	3	0	0	0	0
ST NORBERT COL	141	0	0	0	0	141	0	0	0	0
STOUT STATE UNIV	948	0	0	0	0	948	0	0	0	0
TAYLOR COUNTY TCHRS COL**	7	0	0	0	0	7	0	0	0	0
UNIV OF WISC CEN SYS*	457	0	0	0	138	0	300	0	11	8
UNIV OF WISC GREEN BAY**	181	0	0	0	0	181	0	0	0	0
UNIV OF WISCONSIN CTR**	176	0	0	0	0	162	0	0	14	0
UNIV OF WISCONSIN MADISON	49,309	4,073	3,394	545	612	29,425	646	1,618	6,902	2,094
UNIV OF WISCONSIN MILWAUK	5,096	0	13	0	0	3,846	4	0	1,068	165
VITERBO COL	186	0	0	0	0	186	0	0	0	0
WAUSHARA COUNTY TCHRS COL	2	0	0	0	0	2	0	0	0	0
WISC ST UNIV CEN SYS*	91	2	0	0	0	0	0	0	89	0
WISC ST UNIV STEVENS PNT	854	3	0	0	0	731	0	0	6	114
WISC STATE UNIV EAU CLAIR	1,717	0	3	0	0	1,690	0	0	24	0
WISC STATE UNIV LA CROSSE	383	0	0	0	0	328	0	0	55	0
WISC STATE UNIV OSHKOSH	3,554	0	0	0	0	3,495	0	0	59	0
WISC STATE UNIV PLATTEVLL	843	0	0	0	0	694	0	0	4	145
WISC STATE UNIV RIVER FLL	676	0	0	0	0	565	0	0	111	0
WISC STATE UNIV SUPERIOR	630	0	0	0	0	426	0	0	204	0
WISC STATE UNIV WHITEWATR	1,806	0	0	0	0	1,773	8	0	25	0
WISCONSIN CONSERVATORY	5	0	0	0	0	5	0	0	0	0
TOTAL WISCONSIN	77,040	4,078	3,487	545	899	52,408	978	1,647	10,303	2,695
TOTAL EAST NORTH CENTRAL	569,693	21,452	25,951	1,826	42,444	363,946	3,818	12,462	84,501	13,293
WEST NORTH CENTRAL										
IOWA										
AREA ELEVEN COMMUNITY COL**	1,168	0	0	0	0	1,168	0	0	0	0
AREA TEN COMMUNITY COL**	58	0	0	0	0	22	0	0	36	0
BOONE JR COL **	10	0	0	0	0	10	0	0	0	0
BRIAR CLIFF COL	55	0	0	0	0	55	0	0	0	0
BUENA VISTA COL	123	0	0	0	0	123	0	0	0	0
CENTERVILLE COMM COL**	38	0	0	0	0	38	0	0	0	0
CENTRAL COL	466	0	0	0	0	149	0	0	180	137
CLARKE COL	306	0	0	0	0	252	0	0	54	0
COE COL	280	0	0	0	0	132	0	0	73	75
COL OF OSTEOPATH MED SURG	624	0	0	0	0	624	0	0	0	0
CORNELL COL	223	0	0	0	0	45	0	0	178	0
CRESTON COMM COL **	34	0	0	0	0	34	0	0	0	0
DIVINE WORD COL	32	0	0	0	0	32	0	0	0	0
DORDT COL	124	0	10	0	0	103	0	0	11	0
CRAKE UNIV	772	0	0	0	0	462	0	0	310	0
FASTERN IOWA COMM COL**	223	0	0	0	0	223	0	0	0	0
ELLSWORTH COL**	82	0	0	0	0	82	0	0	0	0
EMMETSBURG COMM COL **	15	0	0	0	0	15	0	0	C	0
ESTHERVILLE JR COL **	71	0	0	0	0	71	0	0	0	0
GRACELANC COL	291	0	0	0	0	207	0	0	0	84
GRANC VIEW COL**	81	C	0	0	0	81	0	0	0	0
GRINNELL COL	166	0	7	0	11	69	0	0	79	0
IOWA CENTRAL COMM COL**	131	0	0	0	0	131	0	0	0	0
IOWA STATE UNIV	14,648	4,098	255	0	2,532	5,884	296	97	1,400	86
IOWA WESLEYAN COL	120	0	0	0	0	78	0	0	42	0
IOWA WESTERN COMM COL**	56	0	0	0	0	56	0	0	0	0
LORAS COL	323	0	0	0	0	273	0	0	50	0
LUTHER COL	532	0	0	0	0	331	0	0	56	145
MARSHALLTOWN COMM COL **	96	0	0	0	0	96	0	0	0	0
MARYCREST COL	150	0	0	0	0	114	0	0	36	0
MIDWESTERN COL	66	0	0	0	0	66	0	0	0	0
MORNINGSIDE COL	403	0	1	0	0	357	0	0	45	0
MT MERCY COL	57	0	0	0	0	57	0	0	0	0
NORTH IOWA AREA COMM COL**	88	0	0	0	0	88	0	0	0	0
NORTHWESTERN COL	157	0	0	0	0	157	0	0	0	0
OTTUMWA HEIGHTS COL **	21	0	0	0	0	21	0	0	0	0

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
WEST NORTH CENTRAL										
IOWA										
PALMER JR CCL	6	0	0	0	0	6	0	0	0	0
PARSONS COL	77	0	0	0	0	77	0	0	0	0
SIMPSON COL	106	0	0	0	0	106	0	0	0	0
SIOUX EMPIRE COL	6	0	0	0	0	6	0	0	0	0
SOUTHEASTERN ICWA COM COL **	106	0	0	0	0	106	0	0	0	0
ST AMBROSE COL	137	0	0	0	0	98	0	0	39	0
UNIV OF DUBUQUE	62	0	0	0	0	62	0	0	0	0
UNIV OF IOWA	31,324	0	64	29	101	21,700	129	2,189	6,955	157
UNIV OF NORTHERN ICWA	2,661	0	0	0	0	2,024	0	0	515	122
UPPER IOWA UNIV	100	0	0	0	0	100	0	0	0	0
VENNARD COL	51	0	0	0	0	51	0	0	0	0
WALDORF COL**	98	0	0	0	0	98	0	0	0	0
WARTBURG COL	385	0	0	0	0	385	0	0	0	0
WESTMAR COL	121	0	0	0	0	119	0	0	2	0
WILLIAM PENN CCL	55	0	0	0	0	55	0	0	0	0
TOTAL IOWA	57,385	4,098	337	29	2,644	36,699	425	2,286	10,061	806
KANSAS										
ALLEN COUNTY CCMM JR CCL**	19	0	0	0	0	19	0	0	0	0
BAKER UNIV	59	0	0	0	0	51	0	0	8	0
BETHANY COL	59	0	0	0	0	46	0	0	13	0
BETHEL COL	446	0	0	0	0	429	0	0	17	0
BUTLER COUNTY COMM JR COL**	36	0	0	0	0	36	0	0	0	0
CENTRAL COL **	56	0	0	0	0	56	0	0	0	0
CLOUD COUNTY COMM JR CCL**	26	0	0	0	0	26	0	0	0	0
COFFEYVILLE COMM JR COL **	645	0	0	0	0	645	0	0	0	0
COL OF EMPORIA	31	0	0	0	0	31	0	0	0	0
COLBY COMM JR CCL**	44	0	0	0	0	44	0	0	0	0
COWLEY COUNTY CCMM JR COL**	15	0	0	0	0	15	0	0	0	0
DODGE CITY COMM JR COL **	121	0	0	0	0	121	0	0	0	0
DONNELLY COL**	24	0	0	0	0	24	0	0	0	0
FORT HAYS KANSAS ST COL	559	0	0	0	0	425	0	0	134	0
FORT SCOTT COMM JR COL **	22	0	0	0	0	22	0	0	0	0
FRIENDS UNIV	416	0	0	0	0	414	0	0	2	0
GARDEN CITY COMM JR CCL **	37	0	0	0	0	37	0	0	0	0
HESSTON COL **	54	0	0	0	0	54	0	0	0	0
HIGHLAND COMM JR CCL**	13	0	0	0	0	13	0	0	0	0
HUTCHINSON COMM JR COL **	21	0	0	0	0	21	0	0	0	0
INDEPENDENCE CCMM JR CCL **	19	0	0	0	0	19	0	0	0	0
KANS CITY KANS COM JR COL**	24	0	0	0	0	24	0	0	0	0
KANS ST COL OF PITTSBURG	1,347	0	0	0	0	1,173	0	0	174	0
KANSAS STATE TCHRS COL	1,768	0	0	0	0	1,436	10	0	322	0
KANSAS STATE UNIV	8,646	2,611	268	0	1,397	2,763	142	55	1,359	51
KANSAS WESLEYAN UNIV	97	0	0	0	0	86	0	0	11	0
LABETTE COMM JR COL **	19	0	0	0	0	19	0	0	0	0
MARYMOUNT COL	207	0	0	0	0	207	0	0	0	0
MCPHERSON CCL	46	0	0	0	0	46	0	0	0	0
MID-AMERICAN NAZARENE COL	20	0	0	0	0	20	0	0	0	0
MILTONVALE WESLEYAN COL	22	0	0	0	0	22	0	0	0	0
MOUNT ST SCHOLASTICA COL	274	0	0	0	0	274	0	0	0	0
NEOSHO COUNTY CCMM JR COL**	6	0	0	0	0	6	0	0	0	0
OTTAWA UNIV	176	0	0	0	0	171	0	0	5	0
PRATT COMM JR CCL**	34	0	0	0	0	34	0	0	0	0
SACRED HEART COL	422	0	0	0	0	422	0	0	0	0
SCHILLING INSTITUTE **	27	0	0	0	0	27	0	0	0	0
SOUTHWESTERN COL	62	0	0	0	0	50	0	0	12	0
ST BENEDICTS COL	131	0	0	0	0	94	0	0	37	0
ST JOHNS COL**	4	0	0	0	0	4	0	0	0	0
ST MARY COL	94	0	0	0	0	94	0	0	0	0
ST MARY OF THE PLAINS COL	998	0	0	0	0	998	0	0	0	0
STERLING COL	60	0	0	0	0	58	0	0	2	0
TABOR COL	88	0	0	0	0	87	0	0	1	0
UNIV OF KANSAS	17,103	0	666	0	1,094	12,976	149	410	1,482	326
WASHBURN UNIV OF TOPEKA	354	0	0	0	0	248	0	0	106	0
WICHITA STATE UNIV	1,125	0	23	0	0	954	0	14	11	123
TOTAL KANSAS	35,876	2,611	957	0	2,491	24,841	301	479	3,696	500
MINNESOTA										
ANCKA-RAMSEY**	16	0	0	0	0	16	0	0	0	0
AUGSBURG COL	178	0	0	0	0	170	0	0	8	0
AUSTIN JR COL**	39	0	0	0	0	39	0	0	0	0
BEMIDJI STATE COL	1,454	0	9	0	0	844	0	0	198	403
BETHANY LUTHERAN COL **	45	0	0	0	0	45	0	0	0	0

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION,
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
WEST NORTH CENTRAL										
MINNESOTA										
BETHEL COL & SEM	135	0	0	0	0	135	0	0	0	0
BRAINERD JR COL**	58	0	0	0	0	58	0	0	0	0
CARLETON COL	196	0	0	0	0	71	0	0	125	0
COL OF ST BENEDICT	139	0	0	0	0	137	0	0	2	0
COL OF ST CATHERINE	471	0	0	0	0	469	0	0	2	0
COL OF ST SCHOLASTICA	269	0	0	0	0	269	0	0	0	0
COL OF ST TERESA	355	0	0	0	0	255	0	0	36	64
COL OF ST THOMAS	202	0	0	0	0	150	0	0	52	0
CONCORDIA COL	389	0	0	0	0	379	0	0	10	0
CONCORDIA COL	86	0	0	0	0	86	0	0	0	0
CORBETT JR COL **	7	0	0	0	0	7	0	0	0	0
CROSIER SEM**	7	0	0	0	0	7	0	0	0	0
FERGUS FALLS STATE JR COL **	25	0	0	0	0	25	0	0	0	0
GUSTAVUS ADOLPHUS COL	1,080	0	0	0	0	1,061	0	0	19	0
HAMLINE UNIV	179	0	1	0	0	130	0	0	48	0
HIBBING JR COL **	29	0	0	0	0	29	0	0	0	0
ITASCA JR COL**	36	0	0	0	0	36	0	0	0	0
LAKEWOOD STATE JR COL**	876	0	0	0	0	876	0	0	0	0
LEA COLLEGE	13	0	0	0	0	13	0	0	0	0
MACALESTER COL	263	0	0	0	0	125	0	0	77	61
MANKATO STATE COL	853	0	0	0	0	848	0	0	5	0
MESABI STATE JR COL **	9	0	0	0	0	9	0	0	0	0
METROPOLITAN ST JR COL **	38	0	0	0	0	38	0	0	0	0
MINNEAPOLIS SCH OF ART	26	0	0	0	0	26	0	0	0	0
MOORHEAD STATE COL	621	0	0	0	0	594	0	0	27	0
NORMANDALE STATE JR COL**	12	0	0	0	0	12	0	0	0	0
NORTH HENNEPIN ST JR COL**	688	0	0	0	0	688	0	0	0	0
NORTHLAND STATE JR COL **	20	0	0	0	0	20	0	0	0	0
RAINY RIVER STATE JR COL**	5	0	0	0	0	5	0	0	0	0
ROCHESTER JR COL **	142	0	0	0	0	142	0	0	0	0
SOUTHWEST MINN STATE COL	1,045	0	0	0	0	1,045	0	0	0	0
ST CLOUD STATE COL	613	0	0	0	0	532	0	0	81	0
ST JOHNS UNIV	331	0	0	0	0	331	0	0	0	0
ST MARYS COL **	487	0	28	0	0	129	11	0	319	0
ST MARYS JR COL	109	0	0	0	0	109	0	0	0	0
ST OLAF COL	499	0	5	0	0	382	0	0	112	0
UNIV OF MINNESOTA	52,189	3,837	2,067	1	2,776	34,376	342	3,152	5,480	158
VERMILLION STATE JR COL	97	0	0	0	0	97	0	0	0	0
WILLMAR COMM COL **	21	0	0	0	0	21	0	0	0	0
WINONA STATE COL	287	0	0	0	0	163	10	0	114	0
WM MITCHELL COL OF LAW	5	0	0	0	0	5	0	0	0	0
WORTHINGTON JR COL **	34	0	0	0	0	34	0	0	0	0
TOTAL MINNESOTA	64,678	3,837	2,110	1	2,776	45,038	363	3,152	6,715	686
MISSOURI										
AVILA COL	59	0	0	0	0	57	0	0	2	0
CENTRAL BIBLE INST	68	0	0	0	0	68	0	0	0	0
CENTRAL METHODIST COL	35	0	0	0	0	32	0	0	3	0
CENTRAL MO STATE COL	1,735	0	0	0	0	1,735	0	0	0	0
CHRISTIAN COL **	7	0	0	0	0	7	0	0	0	0
CONCORDIA SEMINARY	10	0	0	0	0	10	0	0	0	0
COTTEY COL**	19	0	0	0	0	19	0	0	0	0
CROWDER COL**	29	0	0	0	0	29	0	0	0	0
CULVER-STOCKTON COL	50	0	0	0	0	50	0	0	0	0
DRURY COL	60	0	0	0	0	60	0	0	0	0
EVANGEL COL	260	0	0	0	0	257	0	0	3	0
FONTBONNE COL	258	0	0	0	0	258	0	0	0	0
HARRIS TCHRS COL	166	0	0	0	0	166	0	0	0	0
IMMACULATE CONCEPTION SEM	10	0	0	0	0	10	0	0	0	0
JEFFERSON COL**	42	0	0	0	0	42	0	0	0	0
JUNIOR COL DIST ST LOUIS **	1,266	0	0	0	0	1,266	0	0	0	0
KANSAS CITY ART INST	539	0	0	0	0	539	0	0	0	0
KANSAS CITY COL OF OSTEOP	7,052	0	0	0	0	7,052	0	0	0	0
KEMPER MILITARY SCH & COL **	6	0	0	0	0	6	0	0	0	0
KIRKSVILLE COL OF OSTEOP	711	0	0	0	0	711	0	0	0	0
LINCOLN UNIV	266	28	0	0	0	238	0	0	0	0
LINDENWOOD COL	25	0	0	0	0	25	0	0	0	0
MARYVILLE COL SAC HEART	29	0	0	0	0	29	0	0	0	0
MERCY JR COL**	12	0	0	0	0	12	0	0	0	0
METROPOLITAN JR COL **	49	0	0	0	0	49	0	0	0	0
MINERAL AREA COL **	279	0	0	0	0	277	0	0	2	0
MISSOURI BAPTIST COL **	42	0	0	0	0	42	0	0	0	0
MISSOURI SOUTHERN COL	83	0	0	0	0	83	0	0	0	0
MISSOURI VALLEY COL	69	0	0	0	0	65	0	0	4	0
MISSOURI WESTERN COL**	717	0	0	0	0	717	0	0	0	0

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION,
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
WEST NORTH CENTRAL										
MISSOURI										
MOBERLY JR COL **	28	0	0	0	0	28	0	0	0	0
NORTHEAST MO ST COL	472	0	0	0	0	271	0	0	111	90
NORTHWEST MO STATE COL	333	0	0	0	0	329	0	0	4	0
NOTRE DAME COL	6	0	0	0	0	6	0	0	0	0
PARK COL	56	0	0	0	0	56	0	0	0	0
ROCKHURST COL	948	0	0	0	0	817	0	0	33	98
SCHOOL OF THE OZARKS	76	0	0	0	0	76	0	0	0	0
SOUTHEAST MO STATE COL	243	0	0	0	0	222	0	0	21	0
SOUTHWEST BAPTIST COL	139	0	0	0	0	137	0	0	2	0
SOUTHWEST MO STATE COL	1,135	0	0	0	0	1,118	0	0	17	0
ST LOUIS COL OF PHARMACY	28	0	0	0	0	28	0	0	0	0
ST LOUIS UNIV	6,703	0	0	0	92	6,040	0	0	571	0
ST MARYS COL OF CFALLON **	13	0	0	0	0	13	0	0	0	0
ST PAULS COL**	19	0	0	0	0	19	0	0	0	0
STEPHENS COL	167	0	0	0	0	167	0	0	0	0
TARKIO COL	107	0	0	0	0	107	0	0	0	0
THREE RIVERS JR COL**	39	0	0	0	0	39	0	0	0	0
TRENTON JR COL**	14	0	0	0	0	14	0	0	0	0
UNIV OF MISSOURI COLUMBIA	21,993	4,263	173	11	922	14,242	208	255	1,844	75
UNIV OF MISSOURI KAN CITY	2,888	0	0	0	50	1,887	8	134	95	714
UNIV OF MISSOURI ROLLA	2,133	0	159	0	18	427	80	36	1,370	43
UNIV OF MISSOURI ST LOUIS	2,981	0	0	0	0	2,924	50	0	7	0
UNIV OF MO CEN SYS*	157	0	0	0	0	68	85	0	0	4
WASHINGTON UNIV	24,663	0	289	0	1,169	21,012	5	615	1,436	137
WEBSTER COL	1,160	0	0	0	0	182	0	0	709	269
WESTMINSTER COL	120	0	0	0	0	120	0	0	0	0
WILLIAM JEWELL COL	63	0	0	0	0	63	0	0	0	0
WILLIAM WOODS COL	30	0	0	0	0	30	0	0	0	0
TOTAL MISSOURI	80,667	4,291	621	11	2,251	64,353	436	1,040	6,234	1,430
NEBRASKA										
CHADRON STATE COL	1,031	0	0	0	0	872	0	0	86	73
COL OF ST MARY	94	0	0	0	0	94	0	0	0	0
CONCORDIA TCHRS COL	98	0	0	0	0	94	0	0	4	0
CREIGHTON UNIV	2,034	0	0	0	16	1,891	0	0	62	65
DANA COL	70	0	0	0	0	63	7	0	0	0
DOANE COL	308	0	0	0	0	308	0	0	0	0
DUCHESNE COL SACRED HEART	6	0	0	0	0	6	0	0	0	0
FAIRBURY JR COL**	16	0	0	0	0	16	0	0	0	0
HASTINGS COL	161	0	0	0	0	121	0	0	40	0
HIRAM SCOTT COL	9	0	0	0	0	9	0	0	0	0
JOHN F KENNEDY COL	24	0	0	0	0	24	0	0	0	0
KEARNEY STATE COL	529	0	0	0	0	529	0	0	0	0
MCCOOK JR COL**	11	0	0	0	0	11	0	0	0	0
MIDLAND LUTHERAN COL	159	0	1	0	0	158	0	0	0	0
NEBRASKA WESLEYAN UNIV	608	0	0	0	0	263	0	0	345	0
NORTH PLATTE JR COL **	26	0	0	0	0	26	0	0	0	0
PERSHING COL	36	0	0	0	0	36	0	0	0	0
PERU STATE COL	138	0	0	0	0	138	0	0	0	0
SCOTTSBLUFF COL **	290	0	0	0	0	290	0	0	0	0
UNION COL	102	0	0	0	0	102	0	0	0	0
UNIV OF NEBRASKA	14,405	2,510	115	10	73	10,019	138	0	1,540	0
MUNICIPAL UNIV. OF OMAHA	887	0	0	0	16	850	0	0	21	0
WAYNE STATE COL	922	0	0	0	0	922	0	0	0	0
YORK COL**	49	0	0	0	0	49	0	0	0	0
TOTAL NEBRASKA	22,013	2,510	116	10	105	16,891	145	0	2,098	138
NORTH DAKOTA										
ASSUMPTION COL **	6	0	0	0	0	6	0	0	0	0
BISMARCK JR COL**	170	0	0	0	0	170	0	0	0	0
DICKINSON STATE COL	138	0	0	0	0	138	0	0	0	0
JAMESTOWN COL	420	0	0	0	0	420	0	0	0	0
LAKE REGION JR COL **	195	0	0	0	0	195	0	0	0	0
MARY COL	96	0	0	0	0	96	0	0	0	0
MAYVILLE STATE COL	86	0	0	0	0	86	0	0	0	0
MINOT ST COL	196	0	0	0	0	177	0	0	19	0
N D SCH FORESTRY JR COL **	19	0	0	0	0	19	0	0	0	0
NORTH DAKOTA ST SCH SCI **	536	0	0	0	0	536	0	0	0	0
NORTH DAKOTA STATE UNIV	3,584	1,734	0	0	0	1,185	69	0	511	85
NORTHWEST BIBLE COL	86	0	0	0	0	86	0	0	0	0
UNIV OF NORTH DAKOTA	4,041	0	54	0	0	2,956	42	13	884	92
VALLEY CITY STATE COL	201	0	0	0	0	106	0	0	95	0
TOTAL NORTH DAKOTA	9,774	1,734	54	0	0	6,176	111	13	1,509	177

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION,
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
WEST NORTH CENTRAL										
SOUTH DAKOTA										
AUGUSTANA COL	931	0	0	0	0	857	0	0	74	0
BLACK HILLS STATE COL	301	0	0	0	0	232	8	0	0	61
DAKOTA WESLEYAN UNIV	96	0	0	0	0	96	0	0	0	0
GENERAL BEADLE STATE COL	226	0	0	0	0	213	13	0	0	0
HURON COL	126	0	0	0	0	126	0	0	0	0
MT MARTY COL	72	0	0	0	0	72	0	0	0	0
NORTHERN STATE COL	635	0	0	0	0	635	0	0	0	0
PRESENTATION COL **	13	0	0	0	0	13	0	0	0	0
SIOUX FALLS COL	37	0	0	0	0	37	0	0	0	0
SOUTH DAK SCH MINES TECH	1,868	0	0	0	410	112	659	111	576	0
SOUTH DAKOTA STATE UNIV	2,959	1,638	23	0	24	946	192	0	136	0
SOUTHERN STATE COL	52	0	0	0	0	52	0	0	0	0
UNIV OF SOUTH DAKOTA	2,767	0	53	0	0	1,692	3	0	909	110
YANKTON COL	264	0	0	0	0	264	0	0	0	0
TOTAL SOUTH DAKOTA	10,347	1,638	76	0	434	5,347	875	111	1,695	171
TOTAL WEST NORTH CENTRAL	280,740	20,719	4,271	51	10,701	199,345	2,656	7,081	32,008	3,908
SOUTH ATLANTIC										
DELAWARE										
BRANDYWINE JR COL **	603	0	0	0	0	603	0	0	0	0
DELAWARE STATE COL	524	12	0	0	0	484	19	0	9	0
DELAWARE TECH & COMM COL **	145	0	0	0	0	145	0	0	0	0
UNIV OF DELAWARE	4,527	733	31	0	720	1,197	200	50	1,531	65
WESLEY COL**	390	0	0	0	0	390	0	0	0	0
TOTAL DELAWARE	6,189	745	31	0	720	2,819	219	50	1,540	65
DIST OF COLUMBIA										
AMER UNIV	2,582	0	23	12	1,321	794	83	0	340	9
BENJAMIN FRANKLIN UNIV	48	0	0	0	0	48	0	0	0	0
CAPITOL INST OF TECH	11	0	0	0	0	11	0	0	0	0
CATHOLIC UNIV OF AMERICA	5,673	0	104	0	1,310	3,417	29	397	406	10
DIST OF COL TCHRS COL	97	0	0	0	0	97	0	0	0	0
DUNBARTON COL HOLY CROSS	44	0	0	0	0	44	0	0	0	0
FEDERAL CITY COL	365	0	0	0	0	365	0	0	0	0
GALLAUDET COL	4,244	0	0	0	0	4,242	0	0	2	0
GEORGE WASHINGTON UNIV	13,335	1	20	68	1,740	9,782	0	823	740	161
GEORGETOWN UNIV	8,034	0	121	8	815	6,607	0	0	483	0
HOWARD UNIV	20,561	0	12	150	38	19,817	0	127	273	144
IMMACULATA COL OF WASH**	9	0	0	0	0	9	0	0	0	0
MOUNT VERNON JR COL**	8	0	0	0	0	8	0	0	0	0
TRINITY COL	328	0	0	0	0	255	0	0	8	65
WASH SCH OF PSYCHIATRY	108	0	0	0	29	79	0	0	0	0
WASHINGTON TECHNICAL INST**	176	0	0	0	0	176	0	0	0	0
TOTAL DISTRICT OF COLUMBIA	55,623	1	280	238	5,253	45,751	112	1,347	2,252	389
FLORIDA										
ALACHUA COUNTY JR COL	46	0	0	0	0	46	0	0	0	0
BARRY COL	176	0	0	0	0	176	0	0	0	0
BETHUNE-COOKMAN COL	784	0	0	0	0	784	0	0	0	0
BISCAYNE COL	33	0	0	0	0	33	0	0	0	0
BREVARD JR COL**	52	0	0	0	0	52	0	0	0	0
CENTRAL FLORIDA JR COL **	172	0	0	0	0	102	0	0	0	70
CHIPOLA JR COL**	35	0	0	0	0	35	0	0	0	0
DAYTONA BEACH JR COL**	92	0	0	0	0	92	0	0	0	0
EDISON JR COL **	51	0	0	0	0	51	0	0	0	0
EDWARD WATERS COL	167	0	0	0	0	167	0	0	0	0
EMBRY-RIDDLE AERO INST	205	0	0	0	0	78	0	0	0	127
FLORIDA AGR & MECH UNIV	902	15	0	0	0	645	0	0	72	170
FLORIDA ATLANTIC UNIV	852	0	0	0	12	572	0	0	268	0
FLORIDA INST OF TECH	214	0	0	0	0	107	0	38	69	0
FLORIDA JR COL**	914	0	0	0	0	914	0	0	0	0
FLORIDA KEYS JR COL **	56	0	0	0	0	56	0	0	0	0
FLORIDA MEMORIAL COL	505	0	0	0	0	505	0	0	0	0
FLORIDA PRESBYTERIAN COL	481	0	0	0	43	218	0	0	45	175
FLORIDA SOUTHERN COL	124	0	0	0	0	124	0	0	0	0
FLORIDA STATE UNIV	16,945	0	1,228	380	1,314	6,579	134	126	6,713	471

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
SOUTH ATLANTIC										
FLORIDA										
FLORIDA TECHNOLOGICL UNIV	2,560	0	0	0	0	2,547	0	13	0	0
GULF COAST JR COL**	39	0	0	0	0	39	0	0	0	0
INDIAN RIVER JR COL **	164	0	0	0	0	164	0	0	0	0
JACKSONVILLE UNIV	345	0	0	0	0	345	0	0	0	0
JONES COL	91	0	0	0	0	91	0	0	0	0
JR COL OF BROWARD COUNTY	193	0	0	0	0	193	0	0	0	0
LAKE CTY JR COL & FOREST **	121	0	0	0	0	121	0	0	0	0
LAKE-SUMTER JR COL**	37	0	0	0	0	37	0	0	0	0
MANATEE JR COL **	21	0	0	0	0	21	0	0	0	0
MARYMOUNT COL**	346	0	0	0	0	281	0	0	0	65
MIAMI-DADE JR COL**	759	0	0	0	0	759	0	0	0	0
NEW COL	69	0	0	0	9	49	0	0	11	0
NORTH FLORIDA JR COL**	250	0	0	0	0	250	0	0	0	0
NOVA UNIV	524	0	0	0	248	115	0	0	161	0
OKALOOSA-WALTON JR COL**	218	0	0	0	0	218	0	0	0	0
PALM BEACH JR COL**	77	0	0	0	0	77	0	0	0	0
PENSACOLA JR COL **	51	0	0	0	0	51	0	0	0	0
POLK JR COL **	35	0	0	0	0	35	0	0	0	0
ROLLINS COL	292	0	0	0	0	284	0	0	8	0
SANTA FE JR COL**	24	0	0	0	0	24	0	0	0	0
SEMINOLE JR COL**	899	0	0	0	0	899	0	0	0	0
SOUTH FLORIDA JR COL**	484	0	0	0	0	484	0	0	0	0
SOUTH-EASTERN BIBLE COL	148	0	0	0	0	148	0	0	0	0
ST JOHNS RIVER JR COL **	21	0	0	0	0	21	0	0	0	0
ST JOSEPH COL OF FLORIDA**	10	0	0	0	0	10	0	0	0	0
ST LEO COL	277	0	0	0	0	277	0	0	0	0
ST PETERSBURG JR COL**	187	0	0	0	0	187	0	0	0	0
STETSON UNIV	565	0	0	0	0	398	0	0	167	0
TALLAHASSEE JR COL**	51	0	0	0	0	51	0	0	0	0
TAMPA COL	1	0	0	0	0	1	0	0	0	0
UNIV OF FLORIDA	21,737	2,104	515	0	2,149	13,280	389	596	2,642	62
UNIV OF MIAMI	20,748	80	327	366	2,598	12,692	463	720	3,335	167
UNIV OF SOUTH FLORIDA	2,193	0	9	0	11	1,584	4	70	165	350
UNIV OF TAMPA	21	0	0	0	0	21	0	0	0	0
UNIV OF WEST FLORIDA	408	0	0	0	0	354	24	0	30	0
VALENCIA JR COL **	10	0	0	0	0	10	0	0	0	0
TOTAL FLORIDA	76,782	2,199	2,079	746	6,384	47,454	1,014	1,563	13,686	1,657
GEORGIA										
ABRAHAM BALDWIN AGR COL**	325	0	0	0	0	325	0	0	0	0
ALBANY JR COL**	47	0	0	0	0	47	0	0	0	0
ALBANY STATE COL	548	0	0	0	0	412	0	0	70	66
ANDREW COL **	38	0	0	0	0	38	0	0	0	0
ARMSTRONG STATE COL	108	0	0	0	0	62	0	0	46	0
ATLANTA SCH OF ART	5	0	0	0	0	5	0	0	0	0
ATLANTA UNIV	1,213	5	0	85	0	833	0	0	231	59
AUGUSTA COL	36	0	0	0	0	36	0	0	0	0
BERRY COL	256	0	0	0	0	249	0	0	7	0
BREWTON-PARKER COL**	17	0	0	0	0	17	0	0	0	0
BRUNSWICK JR COL **	31	0	0	0	0	31	0	0	0	0
CLARK COL	827	0	0	0	0	695	0	0	64	68
COLUMBUS COL**	187	0	0	0	0	177	0	0	10	0
COVENANT COL	652	0	0	0	0	652	0	0	0	0
DALTON JR COL**	67	0	0	0	0	67	0	0	0	0
DEKALB COL **	167	0	0	0	0	167	0	0	0	0
EMMANUEL COL**	30	0	0	0	0	30	0	0	0	0
EMORY UNIV	11,454	0	69	0	57	10,028	0	270	503	527
FORT VALLEY STATE COL	830	25	0	0	0	687	0	0	0	118
GA COL AT MILLEDGEVILLE	82	0	0	0	0	82	0	0	0	0
GAINESVILLE JR COL **	30	0	0	0	0	30	0	0	0	0
GEORGIA INST OF TECH	6,193	0	376	211	2,361	1,517	283	642	712	91
GEORGIA MILITARY COL **	34	0	0	0	0	34	0	0	0	0
GEORGIA SOUTHERN COL	1,383	0	0	0	0	1,350	0	0	33	0
GEORGIA SOUTHWESTERN COL	454	0	0	0	0	454	0	0	0	0
GEORGIA STATE COL	1,557	0	0	0	24	1,432	29	0	72	0
KENNESAW JR COL**	20	0	0	0	0	20	0	0	0	0
LA GRANGE COL	80	0	0	0	0	80	0	0	0	0
MEDICAL COL OF GEORGIA	9,084	0	0	0	107	8,940	0	0	37	0
MERCER UNIV	582	0	0	0	0	422	0	0	41	119
MIDDLE GEORGIA COL **	282	0	0	0	0	282	0	0	0	0
MOREHOUSE COL	620	0	0	0	0	428	0	0	41	151
MORRIS BROWN COL	763	0	0	0	0	603	0	0	0	160
NORMAN COL**	187	0	0	0	0	111	0	0	0	76
NORTH GEORGIA COL	270	0	0	0	0	119	0	0	151	0
OGLETHORPE COL	121	0	0	0	0	85	0	0	36	0

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
SOUTH ATLANTIC										
GEORGIA										
PAINE COL	499	0	0	0	0	428	0	0	0	71
PIECMONT COL	95	0	0	0	0	95	0	0	0	0
REINHARDT COL **	39	0	0	0	0	39	0	0	0	0
SAVANNAH STATE COL	376	0	0	0	0	169	0	0	56	151
SHORTER COL	10	0	0	0	0	10	0	0	0	0
SOUTH GEORGIA COL**	233	0	0	0	0	223	0	0	10	0
SPELMAN COL	461	0	0	0	0	461	0	0	0	0
TIFT COL	22	0	0	0	0	22	0	0	0	0
UNIV OF GEORGIA	19,831	4,635	388	0	402	8,162	226	188	5,830	0
VALDOSTA ST COL	93	0	0	0	0	93	0	0	0	0
WESLEYAN COL	59	0	0	0	0	59	0	0	0	0
WEST GEORGIA CCL	1,660	0	0	0	0	1,655	0	0	5	0
TOTAL GEORGIA	61,958	4,665	833	296	2,951	41,963	538	1,100	7,955	1,657
MARYLAND										
ALLEGANY COMM COL**	2,024	0	0	0	0	2,024	0	0	0	0
ANNE ARUNDEL COMM COL **	88	0	0	0	0	88	0	0	0	0
BALTIMORE COL OF COMMERCE	8	0	0	0	0	8	0	0	0	0
BOWIE STATE COL	288	0	0	0	0	288	0	0	0	0
CATONSVILLE COMM COL**	9	0	0	0	0	9	0	0	0	0
CHARLES COUNTY COMM COL**	101	0	0	0	0	56	45	0	0	0
CHESAPEAKE COLLEGE**	33	0	0	0	0	33	0	0	0	0
COL OF NOTRE DAME OF MD	28	0	0	0	0	28	0	0	0	0
COLUMBIA UNION COL	156	0	0	0	0	150	0	6	0	0
COMM COL OF BALTIMORE **	186	0	0	0	0	69	0	0	0	117
COPPIN STATE COL	187	0	0	0	0	187	0	0	0	0
EASTERN COL	8	0	0	0	0	8	0	0	0	0
ESSEX COMM COL**	661	0	0	0	0	661	0	0	0	0
FREDERICK COMM COL**	6	0	0	0	0	6	0	0	0	0
FROSTBURG STATE COL	53	0	0	0	0	51	0	0	2	0
GOUCHER COL	160	0	0	0	6	103	0	0	51	0
HAGERSTOWN JR COL **	6	0	0	0	0	6	0	0	0	0
HARFORD JR COL**	34	0	0	0	0	34	0	0	0	0
HOOD COL	494	0	0	0	0	413	0	0	81	0
JOHNS HOPKINS UNIV	38,392	53	1,073	95	2,777	30,800	162	487	2,884	61
LOYCLA COL	311	0	0	0	0	289	0	0	22	0
MARYLAND INST COL OF ART	93	0	0	0	0	93	0	0	0	0
MONTGOMERY JR COL **	32	0	0	0	0	32	0	0	0	0
MORGAN STATE COL	870	0	0	0	0	675	0	0	195	0
MT ST AGNES COL	121	0	0	0	0	121	0	0	0	0
MT ST MARYS COL	25	0	0	0	0	25	0	0	0	0
NER ISRAEL RABBINICAL COL	59	0	0	0	0	59	0	0	0	0
PEABODY INST OF BALTIMORE	40	0	0	0	0	40	0	0	0	0
PRINCE GEORGES COMM COL **	47	0	0	0	0	47	0	0	0	0
SALISBURY STATE COL	15	0	0	0	0	15	0	0	0	0
ST JOHNS COL	36	0	0	0	0	34	0	0	2	0
ST JOSEPH COL	81	0	0	0	0	81	0	0	0	0
ST MARYS COL OF MD	21	0	0	0	0	21	0	0	0	0
TOWSON STATE CCL	98	0	0	0	0	98	0	0	0	0
UNIV OF BALTIMORE	21	0	0	0	0	21	0	0	0	0
UNIV OF MARYLAND	27,928	1,744	3,271	12	2,370	13,342	245	2,126	4,265	553
VILLA JULIE COL**	565	0	0	0	0	565	0	0	0	0
WASHINGTON COL	570	0	0	0	0	480	0	0	90	0
WESTERN MARYLAND COL	80	0	0	0	0	38	0	0	42	0
WOODSTOCK COL	47	0	0	0	0	0	0	7	40	0
XAVERIAN COL **	7	0	0	0	0	7	0	0	0	0
TOTAL MARYLAND	73,989	1,797	4,344	107	5,153	51,105	452	2,626	7,674	731
NORTH CAROLINA										
A & T STATE UNIV OF N C	1,569	24	17	0	0	1,396	0	0	132	0
APPALACHIAN STATE UNIV	1,643	0	0	0	0	1,637	0	0	6	0
ASHEVILLE-BILTMORE COL	530	0	0	0	0	524	0	0	6	0
ATLANTIC CHRISTIAN COL	111	0	0	0	0	111	0	0	0	0
BARBER-SCOTIA COL	71	0	0	0	0	71	0	0	0	0
BELMONT ABBEY COL	52	0	0	0	0	52	0	0	0	0
BENNETT COL	477	0	0	0	0	447	0	0	30	0
BREVARD COL**	30	0	0	0	0	30	0	0	0	0
CALDWELL TECHNICAL INST**	22	0	0	0	0	22	0	0	0	0
CAMPBELL COL	203	0	0	0	0	203	0	0	0	0
CAPE FEAR TECHNICAL INST**	165	0	0	0	0	0	0	0	165	0
CATAWBA COL	30	0	0	0	0	30	0	0	0	0
CATAWBA VALLEY TECH INST **	8	0	0	0	0	8	0	0	0	0
CENTRAL PIEDMONT COMM COL**	627	0	0	0	0	627	0	0	0	0

See footnotes at end of table.

TABLE 8-6 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION,
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
SOUTH ATLANTIC										
NORTH CAROLINA										
CHOWAN COL**	30	0	0	0	0	30	0	0	0	0
COL OF THE ALBEMARLE**	23	0	0	0	0	23	0	0	0	0
DAVIDSON COL	81	0	0	0	0	81	0	0	0	0
DAVIDSON COUNTY COMM COL**	45	0	0	0	0	45	0	0	0	0
DUKE UNIV	28,567	10	1,545	0	3,153	20,483	6	239	2,966	165
DURHAM TECHNICAL INST**	115	0	0	0	0	115	0	0	0	0
EAST CAROLINA UNIV	2,478	0	1	111	0	2,067	0	0	299	0
ELIZABETH CITY STATE COL	279	0	0	0	0	279	0	0	0	0
ELON COL	117	0	0	0	0	115	0	0	2	0
FAYETTEVILLE ST COL	344	0	0	0	0	344	0	0	0	0
FAYETTEVILLE TECH INST **	16	0	0	0	0	16	0	0	0	0
GARDNER-WEBB COL**	54	0	0	0	0	54	0	0	0	0
GASTON COL **	175	0	0	0	0	175	0	0	0	0
GREENSBORO COL	131	0	0	0	0	131	0	0	0	0
GUILFORD COL	30	0	0	0	0	30	0	0	0	0
GUILFORD TECHNICAL INST **	20	0	0	0	0	20	0	0	0	0
HIGH POINT COL	38	0	0	0	0	38	0	0	0	0
ISOTHERMAL COMM COL**	383	0	0	0	0	383	0	0	0	0
JOHNSON C SMITH UNIV	697	0	0	0	0	697	0	0	0	0
KITTRELL COL**	94	0	0	0	0	94	0	0	0	0
LEES-MCRAE COL **	85	0	0	0	0	85	0	0	0	0
LENOIR COUNTY COMM COL**	111	0	0	0	0	111	0	0	0	0
LENOIR-RHYNE COL	67	0	0	0	0	67	0	0	0	0
LIVINGSTONE COL	427	0	0	0	0	427	0	0	0	0
LOUISBURG COL **	17	0	0	0	0	17	0	0	0	0
MARS HILL COL	224	0	0	0	0	149	0	0	8	67
MEREDITH COL	56	0	0	0	0	56	0	0	0	0
METHODIST COL	110	0	0	0	0	110	0	0	0	0
MITCHELL COL**	5	0	0	0	0	5	0	0	0	0
MONTREAT-ANDERSON COL **	167	0	0	0	0	167	0	0	0	0
MT OLIVE JR COL**	35	0	0	0	0	35	0	0	0	0
N C COL AT DURHAM	1,059	0	0	0	0	924	0	0	135	0
N C SCHOOL OF THE ARTS	40	0	0	0	0	40	0	0	0	0
N C STATE UNIV AT RALEIGH	13,916	6,182	374	7	551	3,904	192	459	1,993	254
N C WESLEYAN COL	128	0	0	0	0	66	0	0	0	62
PEACE COL**	125	0	0	0	0	125	0	0	0	0
PEMBROKE STATE COL	395	0	0	0	0	395	0	0	0	0
PFEIFFER COL	111	0	0	0	0	111	0	0	0	0
PITT TECHNICAL INSTITUTE **	64	0	0	0	0	64	0	0	0	0
QUEENS COL	70	0	0	0	0	57	0	0	13	0
ROCKINGHAM COMM COL**	337	0	0	0	0	337	0	0	0	0
SACRED HEART COL	63	0	0	0	0	63	0	0	0	0
SALEM COL	6	0	0	0	0	6	0	0	0	0
SANDHILLS COMM COL**	89	0	0	0	0	89	0	0	0	0
SHAW UNIV	537	0	0	0	0	537	0	0	0	0
SOUTHEASTERN COMM COL**	273	0	0	213	0	60	0	0	0	0
SOUTHERN PILGRIM COL **	23	0	0	0	0	23	0	0	0	0
ST ANDREWS PRESBY COL	994	0	0	0	0	985	0	0	9	0
ST AUGUSTINES COL	767	0	16	0	0	683	0	0	68	0
ST MARYS JR COL **	4	0	0	0	0	0	0	0	4	0
SURRY COMM COL**	73	0	0	0	0	73	0	0	0	0
TECH INST OF ALAMANCE **	6	0	0	0	0	6	0	0	0	0
UNIV OF N C AT CHAP HILL	21,709	0	333	228	531	18,676	163	44	1,591	143
UNIV OF N C AT CHARLOTTE	1,143	0	0	0	0	1,121	0	0	22	0
UNIV OF N C AT GREENSBORO	769	0	0	0	0	634	0	0	135	0
UNIV OF N C CEN SYS*	449	0	32	0	52	24	0	0	0	341
W W HOLDING TECH INST **	30	0	0	0	0	30	0	0	0	0
WAKE FOREST UNIV	4,198	0	38	0	102	3,859	0	0	199	0
WARREN WILSON COL	289	0	0	0	0	289	0	0	0	0
WAYNE TECH INST**	10	0	0	0	0	10	0	0	0	0
WESTERN CAROLINA COL	371	0	0	0	0	371	0	0	0	0
WESTERN PIEDMONT COMM COL**	189	0	0	0	0	189	0	0	0	0
WILKES COMM COL **	485	0	0	0	0	485	0	0	0	0
WILMINGTON COL	194	0	0	0	0	192	0	0	2	0
WILSON COUNTY TECH INST**	523	0	0	510	0	13	0	0	0	0
WINGATE COL**	23	0	0	0	0	23	0	0	0	0
WINSTON-SALEM STATE COL	469	0	0	0	0	363	0	0	0	106
TOTAL NORTH CAROLINA	90,490	6,216	2,356	1,069	4,389	66,434	361	742	7,785	1,138
SOUTH CAROLINA										
ALLEN UNIV	652	0	0	0	0	652	0	0	0	0
ANDERSON COL **	45	0	0	0	0	45	0	0	0	0
BAPTIST COL AT CHARLESTON	101	0	0	0	0	101	0	0	0	0
BENEDICT COL	504	0	0	0	0	504	0	0	0	0
BRKLY-CH-DRCHSTR TE ED CO**	17	0	0	0	0	17	0	0	0	0

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION,
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
SOUTH ATLANTIC										
SOUTH CAROLINA										
CENTRAL WESLEYAN COL	175	0	0	0	0	175	0	0	0	0
CHESTERFIELD-MAR TECH CTR	402	0	0	0	0	402	0	0	0	0
CITADEL THE MILIT COL S C	29	0	0	0	0	22	0	0	7	0
CLAFLIN COL	438	0	0	0	0	258	0	0	41	139
CLEMSON UNIV	5,759	3,290	71	0	68	1,354	266	49	661	0
COKER COL	6	0	0	0	0	6	0	0	0	0
COL OF CHARLESTON	51	0	0	0	0	33	0	0	18	0
COLUMBIA COL	211	0	0	0	0	199	0	0	12	0
CONVERSE COL	337	0	0	0	0	337	0	0	0	0
ERSKINE COL	23	0	0	0	0	23	0	0	0	0
FRIENDSHIP JR COL**	71	0	0	0	0	71	0	0	0	0
FURMAN UNIV	259	0	0	0	0	219	0	0	40	0
GREENVILLE TECH ED CTR**	712	0	0	0	0	712	0	0	0	0
HORRY-MAR-GERGTWN TECH ED **	11	0	0	0	0	11	0	0	0	0
LANDER COL	60	0	0	0	0	60	0	0	0	0
LIMESTONE COL	51	0	0	0	0	51	0	0	0	0
MEDICAL COL OF S C	2,128	0	0	0	77	2,037	0	0	14	0
MORRIS COL	429	0	0	0	0	381	0	0	48	0
NEWBERRY COL	47	0	0	0	0	47	0	0	0	0
NORTH GREENVILLE JR COL**	23	0	0	0	0	23	0	0	0	0
ORNGBRG-CALHN TECH ED CTR	629	0	0	0	0	629	0	0	0	0
PALMER COL **	56	0	0	0	0	56	0	0	0	0
PIEDMONT TECH ED CTR **	5	0	0	0	0	5	0	0	0	0
PRESBYTERIAN COL	28	0	0	0	0	28	0	0	0	0
RENCE-DARLINGTON TECH SCH	20	0	0	0	0	20	0	0	0	0
RICHLAND TECH ED CTR**	101	0	0	0	0	101	0	0	0	0
SOUTH CAROLINA STATE COL	490	17	0	0	0	368	0	0	105	0
SPARTANBURG JR COL**	23	0	0	0	0	23	0	0	0	0
SPRTNBRG CNTY TECH ED CTR **	214	0	0	0	0	214	0	0	0	0
SUMTER AREA TECH ED CTR**	40	0	0	0	0	40	0	0	0	0
TRI-COUNTY TECH ED CTR**	17	0	0	0	0	17	0	0	0	0
UNIV OF SOUTH CAROLINA	4,014	0	117	0	129	2,840	26	8	555	339
VOORHEES COL	798	0	0	0	0	798	0	0	0	0
WINTHROP COL	159	0	0	0	0	94	0	0	0	65
WOFFORD COL	292	0	0	0	0	271	0	0	21	0
YORK COUNTY TECH ED CTR**	38	0	0	0	0	38	0	0	0	0
TOTAL SOUTH CAROLINA	19,465	3,307	188	0	274	13,282	292	57	1,522	543
VIRGINIA										
AVERETT COL**	18	0	0	0	0	18	0	0	0	0
BLUE RIDGE COMMUNITY COL**	7	0	0	0	0	7	0	0	0	0
BRIDGEWATER COL	104	0	0	0	0	91	0	0	13	0
CENTRAL VA COMMUNITY COL**	17	0	0	0	0	17	0	0	0	0
COL OF WILLIAM AND MARY	1,722	0	0	0	0	875	0	299	548	0
DABNEY LANCASTER COMM COL**	238	0	0	0	0	238	0	0	0	0
EASTERN MENNONITE COL	735	0	0	0	0	695	0	0	40	0
EMORY & HENRY COL	909	0	0	0	0	697	0	0	212	0
FERRUM JR COL**	167	0	0	0	0	167	0	0	0	0
HAMPDEN-SYDNEY COL	144	0	0	0	0	128	0	0	16	0
HAMPTON INST	1,111	0	0	0	0	594	0	72	323	122
HOLLINS COL	137	0	0	0	0	128	0	0	9	0
JOHN TYLER COMM COL**	22	0	0	0	0	22	0	0	0	0
LONGWOOD COL	15	0	0	0	0	15	0	0	0	0
LYNCHBURG COL	566	0	0	0	0	566	0	0	0	0
MADISON COL	94	0	1	0	0	93	0	0	0	0
MARY BALDWIN COL	46	0	0	0	0	46	0	0	0	0
MARYMOUNT COL**	144	0	0	0	0	144	0	0	0	0
MEDICAL COL OF VIRGINIA	5,879	0	82	0	197	5,317	0	150	133	0
NORFOLK STATE COL	958	0	0	0	0	958	0	0	0	0
NORTHERN VIRGINIA COMM CO**	2,255	0	0	0	0	2,255	0	0	0	0
OLD DOMINION COL	1,014	0	19	0	40	521	0	383	51	0
RADFORD COL	192	0	0	0	0	192	0	0	0	0
RANDOLPH-MACON COL	1,021	0	0	0	0	959	0	0	62	0
RANDOLPH-MACON WOMANS COL	107	0	0	0	0	29	0	0	78	0
RICHMOND PROFESSIONAL INS	663	0	0	0	0	663	0	0	0	0
ROANOKE COL	273	0	4	0	0	128	0	0	76	65
SHENANDOAH COL	165	0	0	0	0	165	0	0	0	0
SHENANDOAH TECH COL	17	0	0	0	0	17	0	0	0	0
SOUTHWEST VA COMM COL**	12	0	0	0	0	12	0	0	0	0
ST PAULS COL	254	0	0	0	0	254	0	0	0	0
SULLINS COL**	3	0	0	0	0	3	0	0	0	0
SWEET BRIAR COL	13	0	0	0	0	11	0	0	2	0
THOMAS NELSON COMM COL**	7	0	0	0	0	7	0	0	0	0
UNIV OF RICHMOND	31	0	0	0	0	31	0	0	0	0
UNIV OF VIRGINIA	20,138	0	441	0	1,070	15,835	21	933	1,680	158

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION,
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
SOUTH ATLANTIC										
VIRGINIA										
VA HIGHLANDS COMM COL	848	0	0	0	0	848	0	0	0	0
VIRGINIA INTERMONT COL**	6	0	0	0	0	6	0	0	0	0
VIRGINIA MILITARY INST	58	0	0	20	7	24	7	0	0	0
VIRGINIA POLYTECHNIC INST	7,597	3,803	133	0	62	2,033	254	457	717	138
VIRGINIA STATE COL	1,508	18	0	0	0	935	0	0	322	233
VIRGINIA UNION UNIV	663	0	0	0	0	543	0	0	0	120
VIRGINIA WESLEYAN COL	40	0	0	0	0	40	0	0	0	0
VIRGINIA WESTERN COMM COL**	27	0	0	0	0	27	0	0	0	0
WASHINGTON & LEE UNIV	309	0	0	0	0	61	0	0	248	0
WYTHEVILLE COMM COL **	20	0	0	0	0	20	0	0	0	0
TOTAL VIRGINIA	50,274	3,821	680	20	1,376	36,435	282	2,294	4,530	836
WEST VIRGINIA										
ALDERSON-BROADDUS COL	386	0	0	0	0	354	0	0	32	0
BECKLEY COL**	2	0	0	0	0	2	0	0	0	0
BETHANY COL	268	0	0	0	0	209	0	0	59	0
BLUEFIELD STATE COL	972	0	0	0	0	972	0	0	0	0
CONCORD COL	512	0	0	0	0	451	0	0	0	61
DAVIS & ELKINS COL	240	0	0	0	0	105	0	0	135	0
FAIRMONT STATE COL	258	0	0	0	0	218	0	0	40	0
GLENVILLE STATE COL	188	0	0	0	0	188	0	0	0	0
MARSHALL UNIV	984	0	0	0	0	930	0	0	54	0
MORRIS HARVEY COL	349	0	0	0	0	349	0	0	0	0
OHIO VALLEY COL **	28	0	0	0	0	28	0	0	0	0
POTOMAC ST COL OF W VA U **	412	0	0	0	0	412	0	0	0	0
SALEM COL	319	0	0	0	0	156	0	0	0	163
SHEPHERD COL	379	0	0	0	0	378	0	0	0	1
WEST LIBERTY STATE COL	845	0	0	0	0	716	0	0	2	127
WEST VIRGINIA INST TECH	1,345	0	0	0	0	779	0	0	0	566
WEST VIRGINIA STATE COL	386	0	0	0	0	222	0	0	0	164
WEST VIRGINIA UNIV	10,033	2,442	76	49	231	6,272	201	79	499	184
WEST VIRGINIA WESLEYN COL	113	0	0	0	0	110	0	0	3	0
WHEELING COL	95	0	0	0	0	72	0	0	23	0
TOTAL WEST VIRGINIA	18,114	2,442	76	49	231	12,923	201	79	847	1,266
TOTAL SOUTH ATLANTIC	452,884	25,193	10,867	2,525	26,731	318,166	3,471	9,858	47,791	8,282
EAST SOUTH CENTRAL										
ALABAMA										
ALA AGR AND MECH COL	851	18	0	0	0	654	0	0	66	113
ALA CHRISTIAN COL**	66	0	0	0	0	66	0	0	0	0
ALA COL	332	0	0	0	0	332	0	0	0	0
ALA ST COL	292	0	0	0	0	292	0	0	0	0
ALEXANDER CITY ST JR COL **	579	0	0	0	0	579	0	0	0	0
ATHENS COL	14	0	0	0	0	14	0	0	0	0
AUBURN UNIV	8,945	4,197	9	29	684	2,424	182	644	776	0
BIRMINGHAM-SOUTHERN COL	215	0	0	0	0	133	0	0	82	0
CALHOUN ST TECH JR COL**	35	0	0	0	0	35	0	0	0	0
DANIEL PAYNE COL	57	0	0	0	0	57	0	0	0	0
ENTERPRISE JR COL**	254	0	0	0	0	254	0	0	0	0
FLORENCE ST COL	1,069	0	0	0	0	1,004	0	0	65	0
GADSDEN TECH JR COL **	615	0	0	0	0	615	0	0	0	0
GEO C WALLACE ST TECH COL **	118	0	0	0	0	118	0	0	0	0
HUNTINGDON COL	122	0	0	0	0	122	0	0	0	0
JACKSONVILLE ST UNIV	1,124	0	0	0	0	1,124	0	0	0	0
JEFFERSON DAVIS COL**	59	0	0	0	0	59	0	0	0	0
JEFFERSON ST JR COL **	191	0	0	0	0	191	0	0	0	0
LIVINGSTON ST COL	498	0	0	0	0	498	0	0	0	0
MILES COL	1,031	0	0	0	0	914	0	0	45	72
MOBILE ST JR COL**	348	0	0	0	0	348	0	0	0	0
NORTHEAST ST JR COL**	345	0	0	0	0	345	0	0	0	0
NORTHWEST ALA ST JR COL**	116	0	0	0	0	116	0	0	0	0
OAKWOOD COL	32	0	0	0	0	32	0	0	0	0
PATRICK HENRY JR COL **	217	0	0	0	0	217	0	0	0	0
SACRED HEART COL**	35	0	0	0	0	35	0	0	0	0
SELMA UNIV	7	0	0	0	0	7	0	0	0	0
SNEAD JR COL**	12	0	0	0	0	12	0	0	0	0
SOUTHERN UNION ST JR COL **	532	0	0	0	0	532	0	0	0	0
SPRING HILL COL	284	0	0	0	0	175	0	0	32	77
ST BERNARD COL	23	0	0	0	0	23	0	0	0	0
STILLMAN COL	701	0	0	0	0	558	0	0	30	113
TALLADEGA COL	876	0	0	0	0	654	0	0	0	222
TROY STATE UNIV	582	0	0	0	0	582	0	0	0	0

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
EAST SOUTH CENTRAL										
ALABAMA										
TUSKEGEE INST	3,026	13	90	0	0	2,173	52	0	227	471
UNIV OF ALA	18,736	0	0	0	360	17,170	36	561	609	0
UNIV OF SOUTH ALA	1,620	0	0	0	0	1,620	0	0	0	0
WENONAH JR COL**	274	0	0	0	0	274	0	0	0	0
WILLIAM YANCEY ST JR COL**	54	0	0	0	0	54	0	0	0	0
TOTAL ALABAMA	44,287	4,228	99	29	1,044	34,412	270	1,205	1,932	1,068
KENTUCKY										
ALICE LLOYD COL **	354	0	0	0	0	234	0	0	4	116
ASBURY COL	60	0	0	0	0	36	0	0	24	0
ASBURY THEOL SEM	10	0	0	0	0	10	0	0	0	0
BELLARMINE COL	476	0	0	0	0	390	0	0	22	64
BEREA COL	411	2	0	0	0	341	0	0	0	68
BRESCIA COL	149	0	0	0	0	149	0	0	0	0
CAMPBELLSVILLE COL	106	0	0	0	0	104	0	0	2	0
CATHERINE SPALDING COL	183	0	0	0	0	183	0	0	0	0
CENTRE COL OF KENTUCKY	238	0	0	0	0	66	0	0	172	0
CUMBERLAND COL	239	0	0	0	0	239	0	0	0	0
EASTERN KENTUCKY UNIV	1,693	0	0	0	0	1,550	0	0	18	125
GEORGETOWN COL	95	0	0	0	0	95	0	0	0	0
KENTUCKY SOUTHERN COL	619	0	0	0	0	619	0	0	0	0
KENTUCKY STATE COL	390	19	0	0	0	270	0	0	0	101
KENTUCKY WESLEYAN COL	27	0	0	0	0	27	0	0	0	0
LEES JR COL **	285	0	0	0	0	285	0	0	0	0
MIDWAY JR COL**	113	0	0	0	0	113	0	0	0	0
MOREHEAD STATE UNIV	1,584	0	8	0	0	1,406	0	0	34	136
MURRAY STATE UNIV	746	0	43	0	0	491	0	0	96	116
NAZARETH COL OF KENTUCKY	18	0	0	0	0	18	0	0	0	0
PADUCAH JR COL **	72	0	0	0	0	72	0	0	0	0
PIKEVILLE COL	776	0	0	0	0	776	0	0	0	0
SOUTHEASTN CHRISTIAN COL**	72	0	0	0	0	72	0	0	0	0
SUE BENNETT COL **	3	0	0	0	0	3	0	0	0	0
THOMAS MORE COL	85	0	0	0	0	85	0	0	0	0
TRANSYLVANIA COL	159	0	0	0	0	155	0	0	4	0
UNION COL	155	0	0	0	0	155	0	0	0	0
UNIV OF KENTUCKY	17,922	5,199	193	404	226	9,246	161	397	1,603	493
UNIV OF LOUISVILLE	6,395	0	45	0	188	5,067	3	101	863	128
URSULINE COL	37	0	0	0	0	37	0	0	0	0
WESTERN KENTUCKY UNIV	2,054	0	0	0	0	1,994	0	0	59	1
TOTAL KENTUCKY	35,526	5,220	289	404	414	24,288	164	498	2,901	1,348
MISSISSIPPI										
ALCORN AGR & MECH COL	651	94	0	0	0	411	0	0	82	64
BELHAVEN COL	57	0	0	0	0	57	0	0	0	0
BLUE MOUNTAIN COL	52	0	0	0	0	52	0	0	0	0
COAHOMA JR COL **	109	0	0	0	0	109	0	0	0	0
COPIAH-LINCOLN JR COL**	56	0	0	0	0	56	0	0	0	0
DELTA STATE COL	416	0	0	0	0	416	0	0	0	0
EAST CENTRAL JR COL**	172	0	0	0	0	172	0	0	0	0
EAST MISS JR COL **	5	0	0	0	0	5	0	0	0	0
HINDS JR COL**	237	0	0	0	0	237	0	0	0	0
HOLMES JR COL**	111	0	0	0	0	111	0	0	0	0
ITAWAMBA JR COL**	481	0	0	0	0	481	0	0	0	0
JACKSON STATE COL	1,134	0	0	0	0	1,073	0	0	61	0
JONES COUNTY JR COL **	440	0	0	0	0	440	0	0	0	0
MARY HOLMES JR COL**	1,373	0	0	0	0	1,035	0	0	0	338
MERIDIAN JR COL **	151	0	0	0	0	151	0	0	0	0
MILLSAPS COL	337	0	0	0	0	312	0	0	25	0
MISS DELTA JR COL**	152	0	0	0	0	152	0	0	0	0
MISS GULF COAST J C SYS*	161	0	0	0	0	161	0	0	0	0
MISS ST COL FOR WOMEN	678	0	0	0	0	645	0	0	33	0
MISS VALLEY ST COL	556	0	0	0	0	556	0	0	0	0
MISSISSIPPI INDUS COL	122	0	0	0	0	56	0	0	0	66
MISSISSIPPI STATE UNIV	8,841	4,446	0	0	564	3,211	142	76	402	0
NATCHEZ JR COL**	4	0	0	0	0	4	0	0	0	0
NORTHEAST MISS JR COL **	182	0	0	0	0	182	0	0	0	0
NORTHWEST MISS JR COL**	590	0	0	0	0	590	0	0	0	0
PEARL RIVER JR COL **	142	0	0	0	0	142	0	0	0	0
PERKINSTON COL**	31	0	0	0	0	31	0	0	0	0
PRENTISS NORM & IND INST **	171	0	0	0	0	171	0	0	0	0
RUST COL	614	0	0	0	0	614	0	0	0	0
SAINTS JR COL**	12	0	0	0	0	12	0	0	0	0
SOUTHWEST MISS JR COL **	208	0	0	0	0	208	0	0	0	0

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION,
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
EAST SOUTH CENTRAL										
MISSISSIPPI										
T J HARRIS JR CCL**	64	0	0	0	0	64	0	0	0	0
TOUGALCO COL	1,074	0	0	0	0	936	0	0	5	133
UNIV OF MISSISSIPPI	7,189	7	62	125	67	6,423	0	0	505	0
UNIV OF SOUTHERN MISS	1,629	0	0	0	20	1,505	8	0	96	0
UTICA JR CCL**	367	0	0	0	0	367	0	0	0	0
WILLIAM CAREY CCL	179	0	0	0	0	179	0	0	0	0
WOOD JR CCL**	27	0	0	0	0	27	0	0	0	0
TOTAL MISSISSIPPI	28,775	4,547	62	125	651	21,354	150	76	1,209	601
TENNESSEE										
AUSTIN PEAY STATE UNIV	259	0	0	0	0	248	0	0	11	0
BETHEL COL	73	0	0	0	0	73	0	0	0	0
CARSON-NEWMAN COL	208	0	0	0	0	89	0	0	2	117
CHATTANOOGA CITY COL **	213	0	0	0	0	213	0	0	0	0
CHATTANOOGA ST TECH INST **	232	0	0	0	0	232	0	0	0	0
CHRISTIAN BROTHERS COL	363	0	0	0	0	226	29	0	108	0
CLEVELANC STATE COMM COL**	428	0	0	0	0	428	0	0	0	0
COLUMBIA STATE COMM COL**	310	0	0	0	0	310	0	0	0	0
CUMBERLANC COL OF TENN **	34	0	0	0	0	33	0	0	1	0
DAVID LIPSCCMB CCL	139	0	0	0	0	139	0	0	0	0
EAST TENNESSEE STATE UNIV	1,364	0	0	0	0	1,271	17	0	76	0
FISK UNIV	678	0	0	0	0	284	0	0	188	206
FREED-HARCEMAN COL**	121	0	0	0	0	121	0	0	0	0
GEORGE PEABODY COL TCHRS	2,823	0	0	0	0	2,443	0	0	246	134
HIWASSEE COL **	279	0	0	0	0	276	0	0	3	0
JACKSON STATE CCMM COL**	282	0	0	0	0	282	0	0	0	0
KING COL	134	0	0	0	0	134	0	0	0	0
KNOXVILLE COL	878	0	0	0	0	661	0	0	10	207
LAMBUTH COL	83	0	0	0	0	83	0	0	0	0
LANE COL	947	0	0	0	0	752	0	0	49	146
LE MCYNE COLLEGE	757	0	0	0	0	664	0	0	10	83
LEE COL	227	0	0	0	0	227	0	0	0	0
LINCOLN MEMORIAL UNIV	73	0	0	0	0	72	0	0	0	1
MARTIN COL **	60	0	0	0	0	60	0	0	0	0
MARYVILLE CCL	271	0	0	0	0	248	0	0	23	0
MCKENZIE COL	46	0	0	0	0	46	0	0	0	0
MEHARRY MEDICAL CCL	3,219	0	0	0	0	3,219	0	0	0	0
MEMPHIS ACADEMY OF ARTS	11	0	0	0	0	11	0	0	0	0
MEMPHIS STATE UNIV	1,830	0	0	174	0	1,591	0	0	65	0
MIDDLE TENN STATE UNIV	845	0	0	0	0	668	0	0	106	71
MILLIGAN COL	35	0	0	0	0	35	0	0	0	0
MORRISTOWN COL **	78	0	0	0	0	78	0	0	0	0
OWEN COLLEGE	16	0	0	0	0	16	0	0	0	0
SCARRITT COL CHRISTN WKRS	3	0	0	0	0	3	0	0	0	0
SIENA COL	29	0	0	0	0	29	0	0	0	0
SOUTHERN COL OF OPTCMETRY	1,746	0	0	0	0	1,746	0	0	0	0
SOUTHERN MISSIONARY COL	202	0	0	0	0	202	0	0	0	0
SOUTHWESTERN AT MEMPHIS	144	0	0	0	0	118	0	0	26	0
STATE TECH INST MEMPHIS**	5	0	0	0	0	5	0	0	0	0
TENN AGR & INDUST ST UNIV	2,082	19	0	0	0	1,622	0	0	441	0
TENNESSEE TECHNOLCGL UNIV	1,537	0	0	79	0	1,254	0	0	204	0
TENNESSEE TEMPLE COL	35	0	0	0	0	35	0	0	0	0
TENNESSEE WESLEYAN COL	75	0	0	0	0	75	0	0	0	0
TREVECCA NAZARENE COL	223	0	0	0	0	223	0	0	0	0
TUSCULUM COL	67	0	0	0	0	67	0	0	0	0
UNION UNIV	50	0	0	0	0	50	0	0	0	0
UNIV OF CHATTANOOGA	613	0	0	0	0	517	0	0	25	71
UNIV OF TENNESSEE	23,616	4,459	1,775	0	759	13,562	88	456	2,428	89
UNIV OF THE SOUTH	123	0	0	0	0	38	0	0	85	0
VANDERBILT UNIV	14,574	0	315	0	181	11,932	285	57	1,793	11
WM JENNINGS BRYAN COL	186	0	0	0	0	186	0	0	0	0
TOTAL TENNESSEE	62,626	4,478	2,090	253	940	46,897	419	513	5,900	1,136
TOTAL EAST SOUTH CENTRAL	171,214	18,473	2,540	811	3,049	126,951	1,003	2,292	11,942	4,153
WEST SOUTH CENTRAL										
ARKANSAS										
ARK AGR & MECH COL	352	0	0	0	0	352	0	0	0	0
ARK AGR MECH & NORMAL COL	1,454	17	0	0	0	1,372	0	0	0	65
ARK BAPTIST COL	30	0	0	0	0	30	0	0	0	0
ARK COL	165	0	0	0	0	59	0	0	1	105
ARK POLYTECHNIC COL	399	0	0	0	0	299	0	0	0	100
ARK ST UNIV	952	0	8	0	0	942	0	0	2	0

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
WEST SOUTH CENTRAL										
OKLAHOMA										
ST GREGORYS COL **	141	0	0	0	0	141	0	0	0	0
UNIV OF OKLAHOMA	18,560	0	88	189	1,099	13,808	163	100	1,562	1,551
UNIV OF TULSA	658	0	0	0	0	568	1	0	89	0
TOTAL OKLAHOMA	37,201	3,060	119	907	2,521	24,643	397	420	2,951	2,183
TEXAS										
ABILENE CHRISTIAN COL	386	0	0	0	0	386	0	0	0	0
ALLEN ACADEMY **	4	0	0	0	0	0	4	0	0	0
ALVIN JR COL **	7	0	0	0	0	7	0	0	0	0
AMARILLO COL **	7	0	0	0	0	7	0	0	0	0
ANGELINA COL	510	0	0	0	0	510	0	0	0	0
ANGELO STATE COL **	197	0	0	0	0	197	0	0	0	0
AUSTIN COL	161	0	0	0	0	136	0	0	25	0
BAYLOR UNIV	16,876	40	3	0	224	16,136	0	227	157	89
BEE COUNTY COL **	120	0	0	0	0	120	0	0	0	0
BISHOP COL	2,293	0	0	0	0	2,293	0	0	0	0
BLINN COL **	59	0	0	0	0	59	0	0	0	0
CENTRAL TEXAS COL **	396	0	0	0	0	396	0	0	0	0
CHRISTIAN COL SOUTHWEST**	40	0	0	0	0	40	0	0	0	0
CHRISTOPHER COL	3	0	0	0	0	3	0	0	0	0
CISCO JR COL **	166	0	0	0	0	166	0	0	0	0
CLARENDON COL**	53	0	0	0	0	53	0	0	0	0
COL OF OUR SAVIOR	8	0	0	0	0	8	0	0	0	0
COL OF THE MAINLAND **	539	0	0	0	0	539	0	0	0	0
CONCORDIA LUTH COL OF TEX **	16	0	0	0	0	16	0	0	0	0
COOKE COUNTY JR COL **	61	0	0	0	0	61	0	0	0	0
DALLAS BAPTIST COL	131	0	0	0	0	131	0	0	0	0
DALLAS COUNTY JR COL DIST	642	0	0	0	0	642	0	0	0	0
DEL MAR COL **	125	0	0	0	0	125	0	0	0	0
EAST TEXAS BAPTIST COL	166	0	0	0	0	166	0	0	0	0
EAST TEXAS STATE UNIV	2,092	0	0	0	0	1,793	0	0	299	0
FORT WORTH CHRISTIAN COL**	29	0	0	0	0	29	0	0	0	0
FRANK PHILLIPS COL**	23	0	0	0	0	23	0	0	0	0
GALVESTON COMM COL **	440	0	0	0	0	440	0	0	0	0
GRAYSON COUNTY JR COL **	34	0	0	0	0	34	0	0	0	0
HARDIN-SIMMONS UNIV	260	0	0	0	0	260	0	0	0	0
HENDERSON COUNTY JR COL**	91	0	0	0	0	91	0	0	0	0
HILL JR COL **	38	0	0	0	0	38	0	0	0	0
HOUSTON BAPTIST COL	145	0	0	0	0	145	0	0	0	0
HOWARD COUNTY JR COL**	85	0	0	0	0	85	0	0	0	0
HOWARD PAYNE COL	65	0	0	0	0	65	0	0	0	0
HUSTON-TILLOTSON COL	447	0	0	0	0	330	0	0	39	78
INCARNATE WORD COL	285	0	0	0	0	270	0	0	15	0
KILGORE COL **	70	0	0	0	0	70	0	0	0	0
LAMAR STATE COL OF TECH	1,723	0	0	0	0	1,587	0	0	136	0
LAREDO JR COL**	729	0	0	0	0	729	0	0	0	0
LEE COL**	24	0	0	0	0	24	0	0	0	0
LETOURNEAU COL	193	0	0	0	0	193	0	0	0	0
LON MORRIS COL **	28	0	0	0	0	28	0	0	0	0
LUBBOCK CHRISTIAN COL **	69	0	0	0	0	69	0	0	0	0
M D ANDERSON HOSPITAL	7,510	0	68	0	40	7,038	0	186	178	0
MARY ALLEN COL	1	0	0	0	0	1	0	0	0	0
MARY HARDIN-BAYLOR COL	83	0	0	0	0	83	0	0	0	0
MCLENNAN COMM COL**	37	0	0	0	0	37	0	0	0	0
MCMURRY COL	215	0	0	0	0	147	0	0	0	68
MIDWESTERN UNIV	91	0	0	0	0	89	0	0	2	0
NAVARRO JR COL **	74	0	0	0	0	74	0	0	0	0
NORTH TEXAS STATE UNIV	2,786	0	23	0	0	2,421	101	0	241	0
ODESSA COL **	96	0	0	0	0	96	0	0	0	0
OUR LADY OF THE LAKE COL	755	0	0	0	0	755	0	0	0	0
PAN AMER COL	705	0	0	0	0	674	0	16	15	0
PANOLA COL **	56	0	0	0	0	56	0	0	0	0
PARIS JR COL**	41	0	0	0	0	41	0	0	0	0
PAUL QUINN COL	318	0	0	0	0	318	0	0	0	0
PRAIRIE VIEW A & M COL	2,860	23	0	0	0	1,036	0	0	70	1,731
RANGER JR COL **	178	0	0	0	0	178	0	0	0	0
RICE UNIV	8,920	0	909	0	433	2,062	57	3,980	1,479	0
SACRED HEART DOMINICN COL	139	0	0	0	0	130	0	0	9	0
SAM HOUSTON STATE COL	561	0	0	0	0	462	0	0	99	0
SAN ANTONIO COL **	242	0	1	0	0	241	0	0	0	0
SAN JACINTO COL **	49	0	0	0	0	49	0	0	0	0
SOUTH PLAINS COL**	175	0	0	0	0	175	0	0	0	0
SOUTH TEXAS JR COL**	14	0	0	0	0	14	0	0	0	0
SOUTHERN METHODIST UNIV	3,273	0	0	0	765	674	57	155	1,521	101
SOUTHWEST TEXAS JR COL**	305	0	0	0	0	305	0	0	0	0

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
WEST SOUTH CENTRAL										
ARKANSAS										
ARKANSAS ART CENTER	2	0	0	0	0	2	0	0	C	0
COL OF THE CZARKS	127	0	0	0	0	127	0	0	0	0
CROWLEY'S RIEGE CCL	131	0	0	0	0	131	0	0	0	0
HARDING COL	292	0	0	0	0	246	0	46	0	0
HENDERSON STATE COL	465	0	0	0	0	465	0	0	0	0
HENDRIX COL	151	0	0	0	0	151	0	0	C	0
JOHN BROWN UNIV	107	0	0	0	0	107	0	0	C	0
LITTLE RCCK UNIV	112	0	0	0	0	112	0	0	C	0
OUACHITA BAPTIST UNIV	605	0	0	0	0	504	25	0	C	76
PHILANDER SMITH COL	554	0	0	0	0	399	0	0	0	155
PHILLIPS CNTY COMM JR COL**	15	0	0	0	0	15	0	0	0	0
SHORTER COL**	31	0	0	0	0	31	0	0	0	0
SOUTHERN BAPTIST COL**	134	0	0	0	0	134	0	0	0	0
SOUTHERN ST COL	1,353	0	0	0	0	1,208	0	0	59	86
STATE COLLEGE CF ARKANSAS	741	C	0	0	0	731	0	0	10	0
UNIV OF ARK	10,804	3,500	116	0	1	6,086	176	70	712	143
WESTARK JR CCL**	48	0	0	0	0	48	0	0	0	0
TOTAL ARKANSAS	19,024	3,517	124	0	1	13,551	201	116	784	730
LOUISIANA										
CENTENARY COL	136	0	0	0	0	80	0	0	56	0
DELGADO COLLEGE**	1,504	0	0	0	0	1,504	0	0	0	0
DILLARD UNIV	726	0	0	0	0	513	0	0	61	152
FRANCIS T NICHCLLS ST COL	556	0	0	0	0	415	0	0	141	0
GRAMBLING CCL	853	0	0	0	0	661	0	0	65	127
LA ST UNIV BATON ROUGE	9,374	3,232	135	0	1,564	1,657	122	400	2,264	0
LA ST UNIV NEW ORLEANS	11,910	0	11	0	34	11,081	3	0	781	0
LA ST UNIV MEDICAL CTR	2,601	0	0	0	0	2,530	0	0	71	0
LOUISIANA COL	27	0	0	0	0	18	0	0	9	0
LOUISIANA POLY INST	1,066	30	0	0	0	682	5	0	349	0
LOYOLA UNIV	1,236	0	0	0	0	861	0	0	284	91
LSU CENTRAL SYSTEM*	1,217	0	7	0	292	904	0	0	14	0
MCNEESE STATE COL	854	0	0	0	0	838	0	0	16	0
NORTHEAST LA ST COL	1,775	0	0	0	0	1,747	0	20	8	0
NORTHWESTERN ST COL OF LA	1,820	2	0	0	0	1,702	5	0	111	0
SOUTHEASTERN LA COL	204	0	0	0	0	188	0	0	16	0
SOUTHERN UNIV	3,177	53	0	234	0	2,458	0	0	170	262
ST MARYS COMINICAN COL	46	0	0	0	0	46	0	0	0	0
TULANE UNIV	14,653	0	50	0	172	13,250	27	54	871	229
UNIV OF SOUTHWESTERN LA	1,056	0	0	0	0	1,021	0	0	35	0
XAVIER UNIV	991	0	0	0	0	837	0	0	55	99
TOTAL LOUISIANA	55,782	3,317	203	234	2,062	42,993	162	474	5,377	960
OKLAHOMA										
ALTUS JR COL**	110	0	0	0	0	110	0	0	0	0
BACCNE COL**	82	0	0	0	0	82	0	0	0	0
BETHANY-NAZARENE COL	162	0	0	0	0	157	0	0	2	3
CAMERON STATE AGR COL	268	0	0	0	0	268	0	0	0	0
CENTRAL PILGRIM COL	38	0	0	0	0	38	0	0	0	0
CENTRAL STATE COL	319	0	0	0	0	305	0	0	13	1
CONNORS ST COL AGR AP SCI**	103	0	0	0	0	103	0	0	0	0
EAST CENTRAL STATE COL	564	0	0	0	0	411	0	0	35	118
EASTERN OKLA STATE COL**	764	0	0	718	0	46	0	0	0	0
EL RENO COL**	4	0	0	0	0	4	0	0	0	0
LANGSTON UNIV	610	16	0	0	0	443	0	0	0	151
MURRAY ST COL AGR APP SCI**	119	0	0	0	0	119	0	0	0	0
NORTHEASTERN OKLA A&M COL**	301	1	0	0	0	300	0	0	0	0
NORTHEASTERN STATE COL	1,162	0	0	0	0	1,162	0	0	0	0
NORTHERN OKLAHOMA COL **	191	0	0	0	0	191	0	0	0	0
NORTHWESTERN STATE COL	185	0	0	0	0	179	0	0	6	0
OKLAHOMA BAPTIST UNIV	333	0	0	0	0	204	0	0	0	129
OKLAHOMA CHRISTIAN COL	134	0	0	0	0	134	0	0	0	0
OKLAHOMA CITY UNIV	243	0	0	0	0	166	0	50	24	3
OKLAHOMA COL LIBERAL ARTS	143	0	0	0	0	143	0	0	0	0
OKLAHOMA MILITARY ACADEMY **	7	0	0	0	0	7	0	0	0	0
OKLAHOMA PANHANDLE ST COL	89	0	0	0	0	89	0	0	0	0
OKLAHOMA STATE UNIV	9,829	3,043	22	0	1,422	3,912	233	230	958	9
ORAL ROBERTS UNIV	100	0	0	0	0	100	0	0	0	0
PHILLIPS UNIV	157	0	0	0	0	157	0	0	0	0
POTEAU COMM COL**	88	0	0	0	0	88	0	0	0	0
SOUTHEASTERN STATE COL	911	0	0	0	0	681	0	40	97	93
SOUTHWESTERN COL**	31	0	0	0	0	31	0	0	0	0
SOUTHWESTERN STATE COL	795	0	9	0	0	496	0	0	165	125

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION,
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
WEST SOUTH CENTRAL										
OKLAHOMA										
ST GREGORYS COL **	141	0	0	0	0	141	0	0	0	0
UNIV OF OKLAHOMA	18,560	0	88	189	1,099	13,808	163	100	1,562	1,551
UNIV OF TULSA	658	0	0	0	0	568	1	0	89	0
TOTAL OKLAHOMA	37,201	3,060	119	907	2,521	24,643	397	420	2,951	2,183
TEXAS										
ABILENE CHRISTIAN COL	386	0	0	0	0	386	0	0	0	0
ALLEN ACADEMY **	4	0	0	0	0	0	4	0	0	0
ALVIN JR COL **	7	0	0	0	0	7	0	0	0	0
AMARILLO COL **	7	0	0	0	0	7	0	0	0	0
ANGELINA COL	510	0	0	0	0	510	0	0	0	0
ANGELO STATE COL **	197	0	0	0	0	197	0	0	0	0
AUSTIN COL	161	0	0	0	0	136	0	0	25	0
BAYLOR UNIV	16,876	40	3	0	224	16,136	0	227	157	89
BEE COUNTY COL **	120	0	0	0	0	120	0	0	0	0
BISHOP COL	2,293	0	0	0	0	2,293	0	0	0	0
BLINN COL **	59	0	0	0	0	59	0	0	0	0
CENTRAL TEXAS COL **	396	0	0	0	0	396	0	0	0	0
CHRISTIAN COL SOUTHWEST**	40	0	0	0	0	40	0	0	0	0
CHRISTOPHER COL	3	0	0	0	0	3	0	0	0	0
CISCO JR COL**	166	0	0	0	0	166	0	0	0	0
CLARENDON COL**	53	0	0	0	0	53	0	0	0	0
COL OF OUR SAVIOR	8	0	0	0	0	8	0	0	0	0
COL OF THE MAINLAND **	539	0	0	0	0	539	0	0	0	0
CONCORDIA LUTH COL OF TEX **	16	0	0	0	0	16	0	0	0	0
COOKE COUNTY JR COL **	61	0	0	0	0	61	0	0	0	0
DALLAS BAPTIST COL	131	0	0	0	0	131	0	0	0	0
DALLAS COUNTY JR COL DIST	642	0	0	0	0	642	0	0	0	0
DEL MAR COL **	125	0	0	0	0	125	0	0	0	0
EAST TEXAS BAPTIST COL	166	0	0	0	0	166	0	0	0	0
EAST TEXAS STATE UNIV	2,092	0	0	0	0	1,793	0	0	299	0
FORT WORTH CHRISTIAN COL**	29	0	0	0	0	29	0	0	0	0
FRANK PHILLIPS COL**	23	0	0	0	0	23	0	0	0	0
GALVESTON COMM COL **	440	0	0	0	0	440	0	0	0	0
GRAYSON COUNTY JR COL **	34	0	0	0	0	34	0	0	0	0
HARDIN-SIMMONS UNIV	260	0	0	0	0	260	0	0	0	0
HENDERSON COUNTY JR COL**	91	0	0	0	0	91	0	0	0	0
HILL JR COL **	38	0	0	0	0	38	0	0	0	0
HOUSTON BAPTIST COL	145	0	0	0	0	145	0	0	0	0
HOWARD COUNTY JR COL**	85	0	0	0	0	85	0	0	0	0
HOWARD PAYNE COL	65	0	0	0	0	65	0	0	0	0
HUSTON-TILLOTSON COL	447	0	0	0	0	330	0	0	39	78
INCARNATE WORD COL	285	0	0	0	0	270	0	0	15	0
KILGORE COL **	70	0	0	0	0	70	0	0	0	0
LAMAR STATE COL OF TECH	1,723	0	0	0	0	1,587	0	0	136	0
LAREDO JR COL**	729	0	0	0	0	729	0	0	0	0
LEE COL**	24	0	0	0	0	24	0	0	0	0
LETOURNEAU COL	193	0	0	0	0	193	0	0	0	0
LON MORRIS COL **	28	0	0	0	0	28	0	0	0	0
LUBBOCK CHRISTIAN COL **	69	0	0	0	0	69	0	0	0	0
M D ANDERSON HOSPITAL	7,510	0	68	0	40	7,038	0	186	178	0
MARY ALLEN COL	1	0	0	0	0	1	0	0	0	0
MARY HARDIN-BAYLOR COL	83	0	0	0	0	83	0	0	0	0
MCLENNAN COMM COL**	37	0	0	0	0	37	0	0	0	0
MCMURRY COL	215	0	0	0	0	147	0	0	0	68
MIDWESTERN UNIV	91	0	0	0	0	89	0	0	2	0
NAVARRO JR COL **	74	0	0	0	0	74	0	0	0	0
NORTH TEXAS STATE UNIV	2,786	0	23	0	0	2,421	101	0	241	0
ODESSA COL **	96	0	0	0	0	96	0	0	0	0
OUR LADY OF THE LAKE COL	755	0	0	0	0	755	0	0	0	0
PAN AMER COL	705	0	0	0	0	674	0	16	15	0
PANOLA COL **	56	0	0	0	0	56	0	0	0	0
PARIS JR COL**	41	0	0	0	0	41	0	0	0	0
PAUL QUINN COL	318	0	0	0	0	318	0	0	0	0
PRAIRIE VIEW A & M COL	2,860	23	0	0	0	1,036	0	0	70	1,731
RANGER JR COL **	178	0	0	0	0	178	0	0	0	0
RICE UNIV	8,920	0	909	0	433	2,062	57	3,980	1,479	0
SACRED HEART DOMINICN COL	139	0	0	0	0	130	0	0	9	0
SAM HOUSTON STATE COL	561	0	0	0	0	462	0	0	99	0
SAN ANTONIO COL **	242	0	1	0	0	241	0	0	0	0
SAN JACINTO COL **	49	0	0	0	0	49	0	0	0	0
SOUTH PLAINS COL**	175	0	0	0	0	175	0	0	0	0
SOUTH TEXAS JR COL**	14	0	0	0	0	14	0	0	0	0
SOUTHERN METHODIST UNIV	3,273	0	0	0	765	674	57	155	1,521	101
SOUTHWEST TEXAS JR COL**	305	0	0	0	0	305	0	0	0	0

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION,
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
WEST SOUTH CENTRAL										
TEXAS										
SOUTHWEST TEXAS STATE COL	305	0	1	0	0	167	0	0	9	128
SOUTHWESTERN MEDICAL SCH	16,968	0	0	0	53	16,741	0	174	0	0
SOUTHWESTERN UNION COL	56	0	0	0	0	56	0	0	0	0
SOUTHWESTERN UNIV	6	0	0	0	0	6	0	0	0	0
SOUTHWESTN ASSEMB GOD COL	13	0	0	0	0	13	0	0	0	0
SOUTHWESTN CHRISTIAN COL**	164	0	0	0	0	164	0	0	0	0
ST EDWARDS UNIV	81	0	0	0	0	81	0	0	0	0
ST MARYS UNIV SAN ANTONIO	518	0	0	0	0	441	0	0	11	66
STEPHEN F AUSTIN ST COL	381	1	0	0	0	318	0	0	62	0
SUL ROSS STATE COL	241	0	0	0	0	220	6	0	15	0
TARLETON STATE COL	87	0	0	0	0	87	0	0	0	0
TARRANT COUNTY JR COL **	1,195	0	0	0	0	1,195	0	0	0	0
TEMPLE JR COL**	61	0	0	0	0	61	0	0	0	0
TEXARKANA COL**	74	0	0	0	0	74	0	0	0	0
TEXAS A & M UNIV COL STATION	14,711	6,676	1,230	234	1,076	2,536	389	509	2,030	31
TEXAS A&M UNIV CEN SYS*	1,672	0	10	0	1,451	100	72	0	0	39
TEXAS ARTS & INDUST UNIV	1,120	0	0	0	0	956	0	0	36	128
TEXAS CHRISTIAN UNIV	2,821	0	20	0	273	2,294	0	78	156	0
TEXAS COL	330	0	0	0	0	330	0	0	0	0
TEXAS LUTHERAN COL	75	0	0	0	0	75	0	0	0	0
TEXAS SOUTHERN UNIV	1,129	0	0	0	0	854	0	16	100	159
TEXAS SOUTHMOST COL**	38	0	0	0	0	38	0	0	0	0
TEXAS TECHNOLOGICAL COL	3,476	233	12	66	168	2,429	30	0	463	75
TEXAS WESLEYAN COL	27	0	0	0	0	27	0	0	0	0
TEXAS WOMANS UNIV	2,162	0	15	0	0	1,900	0	159	88	0
TRINITY UNIV	348	0	0	0	0	257	0	0	91	0
U TEX MED BRNCH GALVESTON	6,344	0	0	0	0	6,344	0	0	0	0
UNIV OF CORPUS CHRISTI	288	0	0	0	0	288	0	0	0	0
UNIV OF DALLAS	107	0	0	0	0	107	0	0	0	0
UNIV OF HOUSTON	6,440	0	101	5	687	3,098	38	864	1,330	317
UNIV OF ST THOMAS	308	0	0	23	0	175	0	110	0	0
UNIV OF TEXAS ARLINGTON	2,381	0	6	0	0	2,347	0	0	28	0
UNIV OF TEXAS AT AUSTIN	17,619	0	727	0	5,031	7,791	221	0	3,849	0
UNIV OF TEXAS AT EL PASO	2,385	0	0	0	522	1,598	0	23	114	128
UNIV OF TEXAS CEN SYS*	5,790	0	42	1	20	4,458	325	527	196	221
UNIV OF TEXAS MEDICAL SCH	563	0	0	0	0	536	0	0	27	0
WAYLAND BAPTIST COL	128	0	0	0	0	128	0	0	0	0
WEATHERFORD COL **	25	0	0	0	0	25	0	0	0	0
WEST TEXAS STATE UNIV	1,684	0	0	0	0	1,526	0	0	83	75
WESTMINISTER COL	9	0	0	0	0	9	0	0	0	0
WHARTON COUNTY JR COL **	91	0	0	0	0	91	0	0	0	0
WILEY COL	225	0	0	0	0	225	0	0	0	0
TOTAL TEXAS	151,766	6,973	3,168	329	10,743	105,822	1,300	7,024	12,973	3,434
TOTAL WEST SOUTH CENTRAL	263,773	16,867	3,614	1,470	15,327	187,009	2,060	8,034	22,085	7,307
MOUNTAIN										
ARIZONA										
AMER INST FOREIGN TRADE	12	0	0	0	0	12	0	0	0	0
ARIZ WESTERN COL**	265	0	0	0	0	135	0	0	0	130
ARIZONA STATE UNIV	7,347	2	81	0	1,073	4,368	6	56	799	962
CENTRAL ARIZONA COL**	231	0	0	0	0	231	0	0	0	0
COCHISE COL **	305	0	0	0	0	227	0	0	0	78
EASTERN ARIZ JR COL **	168	0	0	0	0	165	0	0	3	0
GLENDALE COMM COL**	74	0	0	0	0	74	0	0	0	0
GRAND CANYON COL	39	0	0	0	0	39	0	0	0	0
MESA COMM COL **	65	0	0	0	0	65	0	0	0	0
NORTHERN ARIZ UNIV	1,179	26	3	0	0	780	0	0	370	0
PHOENIX COL**	132	0	0	0	0	132	0	0	0	0
PRESCOTT COL	247	0	0	0	0	241	6	0	0	0
UNIV & ST COL ARIZ C SYS*	67	0	0	6	0	60	0	0	1	0
UNIV OF ARIZONA	14,023	1,466	474	0	636	7,320	543	1,109	2,293	182
TOTAL ARIZONA	24,154	1,494	558	6	1,709	13,849	555	1,165	3,466	1,352
COLORADO										
ADAMS STATE COL	212	0	2	0	0	210	0	0	0	0
ARAPAHOE JR COL**	7	0	0	0	0	7	0	0	0	0
COLORADO ALPINE COL	15	0	0	0	0	15	0	0	0	0
COLORADO COL	262	0	0	0	0	161	0	0	101	0
COLORADO MOUNTAIN COL **	59	0	0	0	0	59	0	0	0	0
COLORADO SCH OF MINES	584	0	55	7	5	185	149	0	183	0
COLORADO STATE COL	1,537	0	0	0	5	1,268	0	0	10	254
COLORADO STATE UNIV	15,847	1,881	369	148	1,421	7,742	678	405	2,436	767

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
MOUNTAIN										
COLORADO										
FORT LEWIS COL	368	0	0	0	0	368	0	0	0	0
ILIFF SCHOOL OF THEOLOGY	8	0	0	0	0	8	0	0	0	0
LAMAR JR COL**	60	0	0	0	0	60	0	0	0	0
LORETTO HEIGHTS COL	354	0	0	0	0	303	0	0	51	0
MESA COL**	131	0	0	0	0	131	0	0	0	0
METROPOLITAN STATE COL	307	0	0	0	0	307	0	0	0	0
NORTHEASTERN JR COL **	130	0	0	0	0	130	0	0	0	0
OTERO JR COL**	158	0	0	0	0	156	0	0	2	0
RANGELY COL	37	0	0	0	0	37	0	0	0	0
REGIS COL	126	0	0	0	0	126	0	0	0	0
SOUTHERN COLORADO STA COL	633	0	0	0	0	557	0	0	0	76
TEMPLE BUELL COL	268	0	0	0	0	118	0	0	20	130
TRINIDAD STATE JR COL**	385	0	0	0	0	381	4	0	0	0
UNIV OF COLORADO	26,253	2	995	475	2,717	16,452	82	1,060	4,208	262
UNIV OF DENVER	7,249	0	103	29	2,978	2,295	117	706	1,006	15
WESTERN ST COL COLORADO	110	0	0	0	0	110	0	0	0	0
TOTAL COLORADO	55,100	1,883	1,524	659	7,126	31,186	1,030	2,171	8,017	1,504
IDAHO										
BOISE COL	249	0	0	0	0	249	0	0	0	0
COL OF IDAHO	261	0	0	0	0	242	0	0	19	0
COL OF SOUTHERN IDAHO**	438	0	0	0	0	431	0	0	7	0
IDAHO STATE UNIV	1,568	0	24	0	0	1,331	7	0	107	99
LEWIS-CLARK NORMAL SCHOOL	29	0	0	0	0	29	0	0	0	0
MAGIC VLY CHRISTIAN COL **	9	0	0	0	0	9	0	0	0	0
NORTH IDAHO JR COL**	14	0	0	0	0	14	0	0	0	0
NORTHWEST NAZARENE COL	180	0	0	0	0	179	0	0	1	0
UNIV OF IDAHO	2,853	1,447	1	0	101	852	128	0	246	78
TOTAL IDAHO	5,601	1,447	25	0	101	3,336	135	0	380	177
MONTANA										
CARROLL COL	880	0	0	0	0	815	0	0	1	64
COL OF GREAT FALLS	142	0	0	0	0	133	0	0	9	0
DAWSON COL **	20	0	0	0	0	20	0	0	0	0
EASTERN MONTANA COL	626	0	0	0	0	502	0	0	0	124
FLATHEAD VALLEY COMM COL **	40	0	0	0	0	40	0	0	0	0
MILES COMMUNITY COL **	24	0	0	0	0	24	0	0	0	0
MONTANA COL MINERAL SCI	132	0	0	0	0	111	17	0	4	0
MONTANA STATE UNIV	5,014	1,419	52	58	94	2,241	241	225	684	0
NORTHERN MONTANA COL	412	0	0	0	0	412	0	0	0	0
ROCKY MOUNTAIN COL	112	0	0	0	0	112	0	0	0	0
UNIV OF MONTANA	4,338	117	20	0	0	2,749	188	0	606	658
WESTERN MONTANA COL	257	0	0	0	0	257	0	0	0	0
TOTAL MONTANA	11,997	1,536	72	58	94	7,416	446	225	1,304	846
NEVADA										
UNIV OF NEV RENO CAMPUS	4,733	733	48	3	512	1,317	819	101	1,144	56
UNIV OF NEVADA LAS VEGAS	1,009	0	143	0	0	661	0	0	94	111
TOTAL NEVADA	5,742	733	191	3	512	1,978	819	101	1,238	167
NEW MEXICO										
COL OF SANTA FE	884	0	0	0	0	816	0	0	0	68
EASTERN NEW MEXICO UNIV	916	0	0	0	0	700	18	0	41	157
NEW MEX INST MINING & TEC	2,006	0	0	0	1,217	78	7	0	704	0
NEW MEXICO HIGHLANDS UNIV	933	0	10	0	0	848	0	0	70	5
NEW MEXICO JR COL **	41	0	0	0	0	41	0	0	0	0
NEW MEXICO STATE UNIV	7,081	1,332	11	0	894	1,815	212	2,332	485	0
ROSWELL COMM COL	26	0	0	0	0	26	0	0	0	0
UNIV OF ALBUQUERQUE	483	0	0	45	15	318	0	0	2	103
UNIV OF NEW MEXICO	13,933	2	94	0	2,353	8,754	21	811	833	1,065
WESTERN NEW MEXICO UNIV	302	0	0	0	0	302	0	0	0	0
TOTAL NEW MEXICO	26,605	1,334	115	45	4,479	13,698	258	3,143	2,135	1,398
UTAH										
BRIGHAM YOUNG UNIV	1,476	3	128	24	0	762	0	53	447	59
COL OF SOUTHERN UTAH	449	0	0	0	0	365	0	0	9	75
DIXIE COL**	146	0	0	0	0	146	0	0	0	0

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
MOUNTAIN										
UTAH										
UNIV OF UTAH	22,722	2	1,097	0	4,589	14,878	233	273	1,588	62
UTAH STATE UNIV	8,348	1,208	96	18	376	4,424	895	47	1,204	80
WEBER STATE COL	1,417	4	0	0	0	1,261	0	0	20	132
WESTMINSTER COL	173	0	0	0	0	173	0	0	0	0
TOTAL UTAH	34,731	1,217	1,321	42	4,965	22,009	1,128	373	3,268	408
WYOMING										
CASPER COL**	236	0	0	0	0	234	0	0	2	0
CENTRAL WYOMING COL	10	0	0	0	0	10	0	0	0	0
EASTERN WYOMING COL**	37	0	0	0	0	37	0	0	0	0
NORTHERN WYOMING COMM COL**	83	0	0	0	0	83	0	0	0	0
NORTHWEST COMM COL **	33	0	0	0	0	33	0	0	0	0
UNIV OF WYOMING	5,472	959	107	20	0	2,046	640	35	1,569	96
WESTERN WYOMING COMM COL**	154	0	0	0	0	154	0	0	0	0
TOTAL WYOMING	6,025	959	107	20	0	2,597	640	35	1,571	96
TOTAL MOUNTAIN	169,955	10,603	3,913	833	18,986	96,069	5,011	7,213	21,379	5,948
PACIFIC										
ALASKA										
ALASKA METHODIST UNIV	421	0	0	0	0	271	5	0	18	127
SHELDON JACKSON JR COL **	38	0	0	0	0	38	0	0	0	0
UNIV OF ALASKA	9,716	783	214	445	2,668	2,110	253	173	2,882	188
TOTAL ALASKA	10,175	783	214	445	2,668	2,419	258	173	2,900	315
CALIFORNIA										
ALLAN HANCOCK COL **	33	0	0	0	0	33	0	0	0	0
AMER RIVER COL**	598	0	0	0	0	598	0	0	0	0
ANTELOPE VALLEY COL**	174	0	0	0	0	174	0	0	0	0
AZUSA PACIFIC COL	189	0	0	0	0	189	0	0	0	0
BAKERSFIELD COL**	451	0	0	0	0	451	0	0	0	0
BARSTOW COL **	22	0	0	0	0	22	0	0	0	0
BETHANY BIBLE COL	101	0	0	0	0	101	0	0	0	0
BIOLA COL	173	0	0	0	0	173	0	0	0	0
BUTTE COL**	66	0	0	0	0	66	0	0	0	0
CABRILLO COL **	68	0	0	0	0	66	0	0	2	0
CAL COL OF ARTS & CRAFTS	115	0	0	0	0	115	0	0	0	0
CAL INST OF TECH	16,928	0	3,571	0	2,998	4,438	100	1,874	3,947	0
CAL INST OF THE ARTS	142	0	0	0	0	142	0	0	0	0
CAL LUTHERAN COL	270	0	0	0	0	270	0	0	0	0
CAL PODIATRY COL	127	0	0	0	0	127	0	0	0	0
CAL ST COL AT FULLERTON	3,319	0	0	0	0	3,117	0	0	77	125
CAL ST COL AT HAYWARD	4,430	0	0	0	0	4,373	0	0	57	0
CAL ST COL AT LONG BEACH	2,231	0	0	0	0	2,000	29	10	192	0
CAL ST COL AT LOS ANGELES	2,452	0	0	0	34	2,243	10	0	165	0
CAL ST COL CENTRAL SYS*	49	0	0	0	0	49	0	0	0	0
CAL ST COL DOMINGNES HILL	1,059	0	0	0	0	1,059	0	0	0	0
CAL ST COL SAN BERNARDINO	126	0	0	0	0	66	0	0	60	0
CAL ST POLYTECH COL	861	2	0	0	0	817	0	0	42	0
CAL ST POLYTECH COL	170	75	0	0	0	95	0	0	0	0
CANADA COL **	81	0	0	0	0	81	0	0	0	0
CERRITOS COL **	91	0	0	0	0	89	0	0	2	0
CHABOT COL**	55	0	0	0	0	55	0	0	0	0
CHAFFEY COL **	33	0	0	0	0	33	0	0	0	0
CHAPMAN COL	589	0	0	0	0	588	0	0	0	1
CHICO STATE COL	3,159	5	0	0	0	2,968	0	0	36	150
CITRUS COL**	532	0	0	0	0	532	0	0	0	0
CITY COL OF SAN FRANCISCO **	233	0	0	0	0	233	0	0	0	0
CLAREMONT GRAD SCH & UNIV	1,717	0	0	0	0	718	0	0	994	5
CLAREMONT MENS COL	100	0	0	0	0	74	0	0	26	0
COALINGA COL **	22	0	0	0	0	22	0	0	0	0
COL OF MARIN**	212	0	0	0	0	212	0	0	0	0
COL OF NOTRE DAME	676	0	0	0	0	673	0	0	3	0
COL OF SAN MATEO **	151	0	0	0	0	151	0	0	0	0
COL OF THE DESERT**	77	0	0	0	0	77	0	0	0	0
COL OF THE HOLY NAMES	33	0	0	0	0	33	0	0	0	0
COL OF THE REDWOODS**	65	0	0	0	0	65	0	0	0	0
COL OF THE SEQUOIAS **	64	0	0	0	0	64	0	0	0	0
COL OF THE SISKIYOUS **	34	0	0	0	0	34	0	0	0	0
COMPTON COL **	23	0	0	0	0	23	0	0	0	0
CONSUMNES RIVER COL **	500	0	0	0	0	500	0	0	0	0

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
PACIFIC										
CALIFORNIA										
CONTRA COS JR COL C SYS*	4	0	0	0	0	4	0	0	0	0
CONTRA COSTA COL**	196	0	0	0	0	196	0	0	0	0
CTR ADV STUDY BEHAV SCI	121	0	0	0	0	0	0	0	121	0
CUESTA COL**	19	0	0	0	0	19	0	0	0	0
CYPRESS JR COL**	44	0	0	0	0	44	0	0	0	0
DE ANZA COLLEGE**	112	0	0	0	0	112	0	0	0	0
DEEP SPRINGS COL**	2	0	0	0	0	2	0	0	0	0
DIABLO VALLEY COL**	595	0	0	0	0	593	0	0	2	0
DOMINICAN COL SAN RAFAEL	29	0	0	0	0	18	0	0	11	0
EAST LOS ANGELES COL**	179	0	0	0	0	179	0	0	0	0
EL CAMINO COL **	5	0	0	0	0	5	0	0	0	0
FOOTHILL COL**	135	0	0	0	0	135	0	0	0	0
FRESNO CITY COL**	35	0	0	0	0	35	0	0	0	0
FRESNO STATE COL	1,828	2	0	0	0	1,385	343	0	98	0
FULLER THEOL SEM	8	0	0	0	0	8	0	0	0	0
FULLERTON JR COL **	157	0	0	0	0	155	0	0	2	0
GAVILAN COL **	149	0	0	0	0	149	0	0	0	0
GLENDALE COL **	30	0	0	0	0	30	0	0	0	0
GOLDEN GATE COL	88	0	0	0	0	88	0	0	0	0
GOLDEN WEST COL**	18	0	0	0	0	18	0	0	0	0
GROSSMONT COL **	82	0	0	0	0	82	0	0	0	0
HARTNELL COL **	22	0	0	0	0	22	0	0	0	0
HARVEY MUDD COL	1,363	0	0	0	0	1,212	0	0	151	0
HUMBOLDT STATE COL	1,399	22	0	2	0	1,028	0	0	247	100
HUMPHREYS COL	45	0	0	0	0	45	0	0	0	0
IMMACULATE HEART COL	159	0	0	0	0	151	0	0	8	0
IMPERIAL VALLEY COL**	38	0	0	0	0	38	0	0	0	0
JOHN F KENNEDY UNIVERSITY	9	0	0	0	0	9	0	0	0	0
L A CITY JR COL CEN SYS*	119	0	0	0	0	0	0	0	0	119
LA VERNE COL	65	0	0	0	0	65	0	0	0	0
LANEY COL**	232	0	0	0	0	232	0	0	0	0
LASSEN COL**	427	0	0	0	0	427	0	0	0	0
LOMA LINDA UNIV	2,658	0	82	0	38	2,489	0	0	49	0
LONG BEACH CITY COL**	139	0	0	0	0	139	0	0	0	0
LOS ANGELES CITY COL**	208	0	0	0	0	208	0	0	0	0
LOS ANGELES COL OF OPTOM	191	0	0	0	0	191	0	0	0	0
LOS ANGELES HARBOR COL **	22	0	0	0	0	22	0	0	0	0
LOS ANGELES PIERCE COL **	69	0	1	0	0	68	0	0	0	0
LOS ANGELES SOUTHWEST COL**	12	0	0	0	0	12	0	0	0	0
LOS ANGELES TR-TECH COL**	22	0	0	0	0	22	0	0	0	0
LOS ANGELES VALLEY COL **	72	0	0	0	0	70	0	0	2	0
LOYOLA UNIV LOS ANGELES	159	0	0	0	0	159	0	0	0	0
MARYMOUNT COL	177	0	0	0	0	74	0	0	0	103
MENLO COL	56	0	0	0	0	56	0	0	0	0
MERCED COL**	92	0	0	0	0	92	0	0	0	0
MERRITT COL**	335	0	0	0	0	335	0	0	0	0
MILLS COL	213	0	0	0	0	36	0	0	33	144
MIRA COSTA COL**	36	0	0	0	0	36	0	0	0	0
MODESTO JR COL **	126	1	0	0	0	125	0	0	0	0
MONTEREY INST OF FOR STUD	41	0	0	0	0	41	0	0	0	0
MONTEREY PENINSULA COL **	69	0	1	0	0	68	0	0	0	0
MOORPARK JR COL **	244	0	0	0	0	244	0	0	0	0
MT SAN ANTONIO JR COL **	33	0	0	0	0	33	0	0	0	0
MT SAN JACINTO COL **	27	1	0	0	0	26	0	0	0	0
MT ST MARYS COL	131	0	0	0	0	117	0	0	14	0
NAPA COL**	26	0	0	0	0	26	0	0	0	0
NORTHROP INST OF TECH	64	0	0	0	0	64	0	0	0	0
OCCIDENTAL COL	641	0	0	0	0	215	0	0	279	147
OHLONE COLLEGE **	98	0	0	0	0	98	0	0	0	0
ORANGE COAST COL **	587	0	0	0	0	587	0	0	0	0
OTIS ART INST LA CNTY	5	0	0	0	0	5	0	0	0	0
PACIFIC CHRISTIAN COL	15	0	0	0	0	15	0	0	0	0
PACIFIC COL	149	0	0	0	0	149	0	0	0	0
PACIFIC OAKS COL	38	0	0	0	0	38	0	0	0	0
PACIFIC SCH OF RELIGION	104	0	0	0	0	104	0	0	0	0
PACIFIC UNION COL	158	0	0	0	0	158	0	0	0	0
PALO VERDE COL **	19	0	0	0	0	19	0	0	0	0
PALOMAR COL**	21	0	0	0	0	21	0	0	0	0
PASADENA CITY COL**	115	0	0	0	0	115	0	0	0	0
PASADENA COL	770	0	0	0	0	770	0	0	0	0
PASADENA PLAYHOUSE COL	17	0	0	0	0	17	0	0	0	0
PEPPERDINE COL	7	0	0	0	0	7	0	0	0	0
PERALTA JR COL CEN SYS*	386	0	0	0	0	34	0	0	0	352
PITZER COL	153	0	0	0	0	153	0	0	0	0
POMONA COL	393	0	0	0	24	300	0	0	69	0
PORTERVILLE COL**	15	0	0	0	0	15	0	0	0	0
REEDLEY COL **	29	0	0	0	0	29	0	0	0	0

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
PACIFIC										
CALIFORNIA										
RIO HONDO JR COL**	52	0	0	0	0	52	0	0	0	0
RIVERSIDE CITY COL**	32	0	0	0	0	32	0	0	0	0
S CNTY JOINT JR COL DIST	39	0	0	0	0	39	0	0	0	0
SACRAMENTO CITY COL**	160	0	0	0	0	160	0	0	0	0
SACRAMENTO STATE COL	1,775	0	0	0	0	1,652	26	0	97	0
SAN BERNARDINO VALLEY COL **	532	0	0	0	0	532	0	0	0	0
SAN DIEGO CITY COL**	26	0	0	0	0	26	0	0	0	0
SAN DIEGO JR COL CEN SYS*	118	0	0	0	0	118	0	0	0	0
SAN DIEGO MESA COL**	22	0	0	0	0	19	0	0	3	0
SAN DIEGO STATE COL	2,955	0	64	0	10	1,910	0	0	909	62
SAN FERNANDO VLY ST COL	2,015	0	1	0	0	1,729	0	0	58	227
SAN FRANCISCO ART INST	123	0	0	0	0	123	0	0	0	0
SAN FRANCISCO COL WOMEN	172	0	0	0	0	172	0	0	0	0
SAN FRANCISCO CONSV MUSIC	16	0	0	0	0	16	0	0	0	0
SAN FRANCISCO STATE COL	3,521	0	0	0	0	3,156	15	0	218	132
SAN JOAQUIN DELTA COL **	219	0	0	0	0	219	0	0	0	0
SAN JOSE CITY COL**	33	0	0	0	0	33	0	0	0	0
SAN JOSE STATE COL	3,908	0	0	0	127	3,179	16	80	500	6
SANTA ANA COL**	17	0	0	0	0	17	0	0	0	0
SANTA BARBARA CITY COL**	234	0	0	0	0	85	0	0	149	0
SANTA MONICA CITY COL **	525	0	0	0	0	525	0	0	0	0
SANTA ROSA JR COL**	583	0	0	0	0	583	0	0	0	0
SCRIPPS COL	405	0	0	0	0	405	0	0	0	0
SHASTA COL **	127	0	0	0	0	127	0	0	0	0
SIERRA COL **	43	0	0	0	0	43	0	0	0	0
SIMPSON BIBLE COL	47	0	0	0	0	47	0	0	0	0
SOLANO COL **	61	0	0	0	0	61	0	0	0	0
SONOMA STATE COL	290	0	0	0	0	200	0	0	90	0
SOUTHERN CAL COL	113	0	0	0	0	113	0	0	0	0
SOUTHWESTERN COL**	82	0	0	0	0	82	0	0	0	0
ST MARYS COL CALIFORNIA	447	0	0	0	0	395	0	0	52	0
STANFORD UNIV	58,672	1	691	84	16,573	24,749	327	4,659	11,477	111
STANISLAUS STATE COL	87	0	0	0	35	52	0	0	0	0
TAFT COL**	16	0	0	0	0	16	0	0	0	0
TAHOE PARADISE COLLEGE	19	0	0	0	0	19	0	0	0	0
U S INTERNATIONAL UNIV	869	0	0	0	0	869	0	0	0	0
UNIV OF CAL BERKELEY	54,426	4,103	1,015	120	7,448	22,617	477	7,207	10,599	840
UNIV OF CAL DAVIS	15,373	87	2,461	19	98	10,481	284	398	1,488	57
UNIV OF CAL IRVINE	5,058	0	529	0	139	3,635	25	0	730	0
UNIV OF CAL LOS ANGELES	60,070	0	4,479	10	6,109	38,503	284	4,557	5,157	971
UNIV OF CAL RIVERSIDE	5,067	52	370	0	5	3,385	7	29	1,125	94
UNIV OF CAL SAN DIEGO	28,916	0	2,413	65	5,152	8,509	216	2,218	10,343	0
UNIV OF CAL SANTA CRUZ	1,440	0	0	0	0	828	5	0	607	0
UNIV OF CAL CENTRAL SYS*	1,152	0	0	0	0	611	0	0	396	145
UNIV OF CAL SAN FRANCISCO	27,627	0	612	0	235	26,602	0	108	70	0
UNIV OF CAL SANTA BARBARA	6,732	0	215	0	722	2,896	0	141	2,758	0
UNIV OF REDLANDS	691	0	0	0	0	329	0	88	210	64
UNIV OF SAN DIEGO	170	0	0	0	0	170	0	0	0	0
UNIV OF SAN FRANCISCO	1,136	0	0	0	21	901	0	28	131	55
UNIV OF SANTA CLARA	570	0	0	0	30	356	0	28	141	15
UNIV OF SOUTHERN CAL	23,388	0	517	0	1,792	17,071	86	1,536	2,085	301
UNIV OF THE PACIFIC	943	0	0	0	0	859	0	0	84	0
VENTURA COL **	32	0	0	0	0	32	0	0	0	0
VICTOR VALLEY COL **	13	0	0	0	0	13	0	0	0	0
WEST VALLEY COL **	614	0	0	0	0	614	0	0	0	0
WESTMONT COL	130	0	0	0	0	122	0	0	8	0
WHITTIER COL	162	0	0	0	0	137	0	0	25	0
YUBA COL **	131	0	0	0	0	131	0	0	0	0
TOTAL CALIFORNIA	371,453	4,351	17,022	300	41,590	222,454	2,250	22,961	56,199	4,326
HAWAII										
CHAMINADE COL OF HONOLULU	102	0	0	0	0	102	0	0	0	0
HAWAII LOA COLLEGE	104	0	0	0	0	104	0	0	0	0
MAUNAOLU COL **	43	0	0	0	0	43	0	0	0	0
UNIV OF HAWAII	17,858	877	595	93	1,414	9,460	137	1,091	3,755	436
TOTAL HAWAII	18,107	877	595	93	1,414	9,709	137	1,091	3,755	436
OREGON										
BLUE MOUNTAIN COMM COL**	56	0	0	0	0	56	0	0	0	0
CASCADE COL	96	0	0	0	0	96	0	0	0	0
CENTRAL OREGON COMM COL **	55	0	0	0	0	53	0	0	2	0
CLACKAMUS COMMUNITY COL**	37	0	0	0	0	37	0	0	0	0
CLATSOP COMM COL **	78	0	0	0	0	78	0	0	0	0

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968 (THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
PACIFIC										
OREGON										
COLUMBIA CHRISTIAN COL **	29	0	0	0	0	29	0	0	0	0
CONCORDIA COL **	22	0	0	0	0	22	0	0	0	0
EASTERN OREGON COL	225	0	0	0	0	223	0	0	2	0
GEORGE FOX COL	227	0	0	0	0	222	0	0	5	0
LANE COMM COL **	1,135	0	0	0	0	1,129	0	0	6	0
LEWIS AND CLARK COL	467	0	0	0	0	467	0	0	0	0
LINFIELD COL	173	0	0	0	0	154	0	0	19	0
LINN BENTON COMM COL **	39	0	0	0	0	39	0	0	0	0
MARYLHURST COL	87	0	0	0	0	76	0	0	11	0
MT ANGEL COL	65	0	0	0	0	65	0	0	0	0
MT HOOD COMM COL **	509	0	0	0	0	509	0	0	0	0
MULTNOMAH COL **	38	0	0	0	0	38	0	0	0	0
MUSEUM ART SCHOOL	553	0	0	0	0	553	0	0	0	0
OREGON COL OF EDUCATION	1,581	0	0	0	0	1,541	0	0	40	0
OREGON STATE UNIV	16,237	2,020	605	0	1,980	6,408	902	57	4,139	126
OREGON TECH INST	156	0	0	0	0	156	0	0	0	0
PACIFIC UNIV	1,127	0	0	0	0	1,054	0	0	0	73
PORTLAND COMM COL **	93	0	0	0	0	93	0	0	0	0
PORTLAND SCH OF MUSIC	13	0	0	0	0	13	0	0	0	0
PORTLAND STATE COL	2,262	1	0	0	0	2,026	1	0	233	1
REED COL	714	0	57	0	0	297	0	0	360	0
SOUTHERN OREGON COL	731	0	0	0	0	588	0	0	143	0
SOUTHWESTN OREG COMM COL **	54	0	0	0	0	54	0	0	0	0
TREASURE VALLEY COMM COL **	86	0	0	0	0	86	0	0	0	0
UMPQUA COMM COL **	26	0	0	0	0	26	0	0	0	0
UNIV OF OREGON	28,090	2	411	0	906	22,451	19	142	2,034	2,125
UNIV OF PORTLAND	617	0	0	0	0	231	0	0	58	328
WARNER PACIFIC COL	99	0	0	0	0	99	0	0	0	0
WILLAMETTE UNIV	368	0	0	0	0	126	0	0	242	0
TOTAL OREGON	56,145	2,023	1,073	0	2,886	39,095	922	199	7,294	2,653
WASHINGTON										
BELLEVUE COMM COL **	152	0	0	0	0	152	0	0	0	0
BIG BEND COMM COL **	70	0	0	0	0	69	0	0	0	1
CENTRAL WASH STATE COL	906	0	0	0	0	637	21	0	225	23
CENTRALIA COL **	62	0	0	0	0	62	0	0	0	0
CLARK COL **	37	0	0	0	0	37	0	0	0	0
CLOVER PARK COMMUNITY COL **	11	0	0	0	0	11	0	0	0	0
COLUMBIA BASIN COMM COL **	69	0	0	0	0	69	0	0	0	0
EASTERN WASH STATE COL	457	0	0	0	0	398	0	0	6	53
EDMONDS COMM COL **	32	0	0	0	0	32	0	0	0	0
EVERETT COMM COL **	113	0	0	0	0	108	0	0	5	0
FORT WRIGHT COL HOLY NAME	349	0	0	0	0	271	0	0	13	65
GONZAGA UNIV	459	0	0	0	0	422	0	0	37	0
GRAYS HARBOR COL **	54	0	0	0	0	32	0	0	2	0
GREEN RIVER COMM COL **	114	0	0	0	0	114	0	0	0	0
HIGHLINE COL **	160	0	0	0	0	160	0	0	0	0
LOWER COLUMBIA COL **	33	0	0	0	0	33	0	0	0	0
NORTHWEST COL	58	0	0	0	0	58	0	0	0	0
OLYMPIC COL **	60	0	0	0	0	60	0	0	0	0
PACIFIC LUTHERAN UNIV	438	0	0	0	0	410	0	0	28	0
PENINSULA COL **	42	0	0	0	0	42	0	0	0	0
SEATTLE COMM COL **	1,511	0	0	0	0	1,496	0	0	15	0
SEATTLE PACIFIC COL	359	0	0	0	0	295	0	0	64	0
SEATTLE UNIV	492	0	0	0	0	415	0	0	77	0
SHORELINE COMM COL **	94	0	0	0	0	94	0	0	0	0
SKAGIT VALLEY COL **	31	0	0	0	0	31	0	0	0	0
SPOKANE COMM COL **	97	0	0	0	0	97	0	0	0	0
ST MARTINS COL	117	0	0	0	0	108	0	0	9	0
TACOMA COMM COL **	84	0	0	0	0	84	0	0	0	0
UNIV OF PUGET SOUND	245	0	0	0	0	232	0	0	13	0
UNIV OF WASHINGTON	50,280	124	2,596	95	1,478	31,946	948	663	12,224	206
WALLA WALLA COL	141	0	0	0	0	141	0	0	0	0
WALLA WALLA COMMUNITY COL **	50	0	0	0	0	50	0	0	0	0
WASHINGTON STATE UNIV	8,791	2,246	266	0	221	4,143	220	18	1,677	0
WENATCHEE VALLEY COL **	111	0	0	0	0	111	0	0	0	0
WESTERN WASH STATE COL	2,612	0	10	0	74	1,680	20	0	600	228
WHITMAN COL	599	0	0	0	0	587	0	0	12	0
WHITWORTH COL	172	0	0	0	0	151	0	0	21	0
YAKIMA VALLEY COL **	131	0	0	0	0	131	0	0	0	0
TOTAL WASHINGTON	69,593	2,370	2,872	95	1,773	44,989	1,209	681	15,028	576
TOTAL PACIFIC	525,473	10,404	21,776	933	50,331	318,666	4,776	25,105	85,176	8,306

See footnotes at end of table.

TABLE B-6 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1968
(THOUSANDS OF DOLLARS)

DIVISION, STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
GUAM P R & V I										
GUAM										
COLLEGE OF GUAM	930	0	0	0	0	808	0	0	0	122
TOTAL GUAM	930	0	0	0	0	808	0	0	0	122
PUERTO RICO										
CATHOLIC UNIV OF P R	654	0	0	0	0	645	0	0	9	0
COL OF THE SACRED HEART	94	0	0	0	0	94	0	0	0	0
INTER AMER UNIV OF P R	775	0	0	0	0	520	0	0	66	189
PUERTO RICO JR COL **	825	0	0	0	0	825	0	0	0	0
UNIV OF P R CEN SYS*	5,268	0	2,369	0	0	2,899	0	0	0	0
UNIV OF P R MAYAGUEZ	5,923	3,933	0	0	0	1,885	78	0	27	0
UNIV OF P R RIO PIEDRAS	961	0	0	0	25	725	46	0	155	10
UNIV OF P R SAN JUAN	2,446	0	0	0	0	2,446	0	0	0	0
TOTAL PUERTO RICO	16,946	3,933	2,369	0	25	10,039	124	0	257	199
VIRGIN ISLANDS										
COL OF VIRGIN ISLANDS**	479	0	0	0	0	273	0	0	33	173
TOTAL VIRGIN ISLANDS	479	0	0	0	0	273	0	0	33	173
TOTAL GUAM P R & V I	18,355	3,933	2,369	0	25	11,120	124	0	290	494
UNITED STATES TOTAL	3,366,941	144,188	110,152	9,751	243,148	2,211,866	28,173	129,822	422,980	66,861

* Administrative center for the university systems. The Central Systems listed in the table represent funds going to part of a university system, such as a graduate center, that encompasses the teaching and research activities of a number of institutions that form the system. In addition, in some cases, the funds shown for the Central System may be distributed eventually to institutions that are part of the system.

** Two-year institution, as designated by the Office of Education.

+ Main university only.

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